**Supplementary Table 1.** List of 137 compounds of secondary metabolites isolated from Indonesian marine invertebrates

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Compounds | Classification | Sources | Spesies |
| 1 | (-)- leptoclinidamine B | Alkaloid | Tunicate | *Leptoclinides dubius* |
| 2 | (2S,7S,8S)-sarcophytoxide | Cembranoid | Soft coral | *Sarcophyton trocheliophorum* |
| 3 | 11,12‐epoxy sarcophytol A | Cembranoid | Soft coral | *Sarcophyton* sp. |
| 4 | 11-epi-O,Odimethyllingshuiolide A | Terpenoid | Sponge | *Lamellodysidea herbacea* |
| 5 | 11-Methoxy-3H-[1,6]naphthyridino[6,5,4- def]quinoxalin-3-one | Alkaloid | Sponge | *Aaptos suberitoides* |
| 6 | 12-N-metil stevensine | Alkaloid | Sponge | *Stylissa* sp. |
| 7 | 12-N-metil-2- debromostevensine | Alkaloid | Sponge | *Stylissa* sp. |
| 8 | 18- nor-3,5,17-trihydroxyspongia-3,13(16),14-trien-2-one | Terpenoid | Sponge | *Spongia* sp. |
| 9 | 18-nor-3,17-dihydroxyspongia-3,13(16),14-trien-2-one | Terpenoid | Sponge | *Spongia* sp. |
| 10 | 19- Hydroxypsammaplysin E | Alkaloid | Sponge | *Aplysinella strongylata* |
| 11 | 19- Hydroxypsammaplysin Q | Alkaloid | Sponge | *Aplysinella strongylata* |
| 12 | 19- Hydroxypsammaplysin S | Alkaloid | Sponge | *Aplysinella strongylata* |
| 13 | 19-Hydroxypsammaplysin P | Alkaloid | Sponge | *Aplysinella strongylata* |
| 14 | 19-Hydroxypsammaplysin T | Alkaloid | Sponge | *Aplysinella strongylata* |
| 15 | 19-Hydroxypsammaplysin U | Alkaloid | Sponge | *Aplysinella strongylata* |
| 16 | 19-Hydroxypsammaplysin W | Alkaloid | Sponge | *Aplysinella strongylata* |
| 17 | 2,11-Dimethoxy-3H-[1,6]naphthyridino[6,5,4- def]quinoxalin-3-one | Alkaloid | Sponge | *Aaptos suberitoides* |
| 18 | 20,24- bishomo-25-norscalarane 1 | Terpenoid | Sponge | *Carteriospongia foliascens* |
| 19 | 20,24- bishomoscalarane ketals 3 | Terpenoid | Sponge | *Carteriospongia foliascens* |
| 20 | 20,24-bishomo-25-norscalarane 2 | Terpenoid | Sponge | *Carteriospongia foliascens* |
| 21 | 20,24-bishomoscalarane ketals 4 | Terpenoid | Sponge | *Carteriospongia foliascens* |
| 22 | 2-hydroxy-crassocolide E | Cembranoid | Soft coral | *Sarcophyton* sp. |
| 23 | 2-methoxy-3-oxoaaptamine | Alkaloid | Sponge | *Aaptos* sp. |
| 24 | 3- Aminodemethyl(oxy)aaptamine | Alkaloid | Sponge | *Aaptos suberitoides* |
| 25 | 3,4-epoxynephthenol acetate | Terpenoid | Soft coral | *Nephthea* sp. |
| 26 | 3,7,11‐cembreriene‐2,15‐diol | Cembranoid | Soft coral | *Sarcophyton* sp. |
| 27 | 3-debromolatonduine A | Alkaloid | Sponge | *Stylissa* sp. |
| 28 | 3-debromolatonduine B metil ester | Alkaloid | Sponge | *Stylissa* sp. |
| 29 | 5-Benzoydemethylaaptamine | Alkaloid | Sponge | *Aaptos suberitoides* |
| 30 | Acanthocyclamine A | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 31 | Acantholactam | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 32 | Acanthomanzamine A | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 33 | Acanthomanzamine B | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 34 | Acanthomanzamine C | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 35 | Acanthomanzamine D | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 36 | Acanthomanzamine E | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 37 | Bissubvilides A | Cembranoid | Soft coral | *Sacrophyton subviride* |
| 38 | Callyspongiolide | Macrolide | Sponge | *Callyspongia* sp. |
| 39 | Celebeside A | Peptide | Sponge | *Siliquariaspongia mirabilis* |
| 40 | Celebeside B | Peptide | Sponge | *Siliquariaspongia mirabilis* |
| 41 | Celebeside C | Peptide | Sponge | *Siliquariaspongia mirabilis* |
| 42 | Chloromethylhalicyclamine B | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 43 | Chloroscabrolide A | Terpenoid | Soft coral | *Sinularia* sp. |
| 44 | Chloroscabrolide B | Terpenoid | Soft coral | *Sinularia* sp. |
| 45 | Cladielloide A | Terpenoid | Soft coral | *Cladiella* sp. |
| 46 | Cladielloide B | Terpenoid | Soft coral | *Cladiella* sp. |
| 47 | Clathruhoate | Steroid | Sponge | *Clathria* sp. |
| 48 | Cortistatin E | Alkaloid | Sponge | *Corticium complex* |
| 49 | Cortistatin F | Alkaloid | Sponge | *Corticium complex* |
|  |  |  |  |  |
| *Cont.* |
| No | Compounds | Classification | Sources | Spesies |
| 50 | Cortistatin G | Alkaloid | Sponge | *Corticium complex* |
| 51 | Cortistatin H | Alkaloid | Sponge | *Corticium complex* |
| 52 | Cortistatin J | Alkaloid | Sponge | *Corticium complex* |
| 53 | Cortistatin K | Alkaloid | Sponge | *Corticium complex* |
| 54 | Cortistatin L | Alkaloid | Sponge | *Corticium complex* |
| 55 | Crambescidin 345 | Alkaloid | Sponge | *Clathria bulbotoxa* |
| 56 | Crambescidin 361 | Alkaloid | Sponge | *Clathria bulbotoxa* |
| 57 | Crambescidin 373 | Alkaloid | Sponge | *Clathria bulbotoxa* |
| 58 | Cyclo (DPro-L-Ile) | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 59 | Cyclo (D-Pro-L-Phe) | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 60 | Cyclo (D-Pro-L-Val) | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 61 | Cyclo (L- Pro-Gly) | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 62 | Cyclo (L-Pro-L-Ala) | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 63 | Cyclo (L-Pro-L-Tyr) | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 64 | Cyclo (L-Pro-Ser) | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 65 | Dispacamide E | Alkaloid | Sponge | *Stylissa massa* |
| 66 | Epi-tetradehydrohalicyclamine B | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 67 | Ethyl 2-(4-methoxyphenyl)-2-oxoacetate | Benzoyl derivatives | Tunicate | *Polycarpa aurata* |
| 68 | Ethyl 3,4-dibromo-1H-pyrrole-2-carboxylate | Alkaloid | Sponge | *Stylissa massa* |
| 69 | Halicyclamine B | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 70 | Halioxepine | Terpenoid | Sponge | *Haliclona* sp. |
| 71 | Haloirciniamide A | Peptide | Sponge | *Ircinia* sp. |
| 72 | Ingenine C | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 73 | Ingenine D | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 74 | Jaspamide Q | Peptide | Sponge | *Jaspis splendens* |
| 75 | Jaspamide R | Peptide | Sponge | *Jaspis splendens* |
| 76 | Lamellodysidine A | Terpenoid | Sponge | *Lamellodysidea herbacea* |
| 77 | Lamellodysidine B | Terpenoid | Sponge | *Lamellodysidea herbacea* |
| 78 | Leptoclinidamide | Alkaloid | Tunicate | *Leptoclinides dubius* |
| 79 | Lissoclibadin 4 | Alkaloid | Tunicate | *Lissoclinum* cf. *badium* |
| 80 | Lissoclibadin 5 | Alkaloid | Tunicate | *Lissoclinum* cf. *badium* |
| 81 | Lissoclibadin 6 | Alkaloid | Tunicate | *Lissoclinum* cf. *badium* |
| 82 | Lissoclibadin 7 | Alkaloid | Tunicate | *Lissoclinum* cf. *badium* |
| 83 | Lobozoanthamine | Alkaloid | Soft coral | *Lobophytum* sp. |
| 84 | Manadoperoxide A | Polyketide | Sponge | *Plakortis* cfr. *simplex* |
| 85 | Manadoperoxide B | Polyketide | Sponge | *Plakortis* cfr. *simplex* |
| 86 | Manadoperoxide C | Polyketide | Sponge | *Plakortis* cfr. *simplex* |
| 87 | Manadoperoxide D | Polyketide | Sponge | *Plakortis* cfr. *simplex* |
| 88 | Melophluoside A | Terpenoid | Sponge | *Melophlus sarasinorum* |
| 89 | Melophluoside B | Terpenoid | Sponge | *Melophlus sarasinorum* |
| 90 | Methyl 2-(4-methoxyphenyl)-2-oxoacetate | Benzoyl derivatives | Tunicate | *Polycarpa aurata* |
| 91 | Methyldorimidazole | Alkaloid | Sponge | *Leucetta chagosensis* |
| 92 | Mollamide B  | Peptide | Tunicate | *Didemnum molle* |
| 93 | Mollamide C | Peptide | Tunicate | *Didemnum molle* |
| 94 | Naamidine H | Alkaloid | Sponge | *Leucetta chagosensis* |
| 95 | Naamidine I | Alkaloid | Sponge | *Leucetta chagosensis* |
| 96 | nakijiquinone V | Terpenoid | Sponge | *Dactylospongia elegans* |
| 97 | O,O-dimethyllingshuiolide A | Terpenoid | Sponge | *Lamellodysidea herbacea* |
| 98 | Polyaurine A | Alkaloid | Tunicate | *Polycarpa aurata* |
| 99 | Polyaurine B | Alkaloid | Tunicate | *Polycarpa aurata* |
| 100 | Polycarpathiamine A | Alkaloid | Tunicate | *Polycarpa aurata* |
| 101 | Polycarpathiamine B | Alkaloid | Tunicate | *Polycarpa aurata* |
| 102 | Preclathridine B | Alkaloid | Sponge | *Leucetta chagosensis* |
| 103 | Pre-neo-kauluamine | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
|  |  |  |  |  |
| *Cont.* |
| No | Compounds | Classification | Sources | Spesies |
| 104 | Prescabrolide | Terpenoid | Soft coral | *Sinularia* sp. |
| 105 | Psammaplysin K | Alkaloid | Sponge | *Aplysinella strongylata* |
| 106 | Psammaplysin K dimethoxy acetal | Alkaloid | Sponge | *Aplysinella strongylata* |
| 107 | Psammaplysin L | Alkaloid | Sponge | *Aplysinella strongylata* |
| 108 | Psammaplysin M | Alkaloid | Sponge | *Aplysinella strongylata* |
| 109 | Psammaplysin N | Alkaloid | Sponge | *Aplysinella strongylata* |
| 110 | Psammaplysin O | Alkaloid | Sponge | *Aplysinella strongylata* |
| 111 | Psammaplysin P | Alkaloid | Sponge | *Aplysinella strongylata* |
| 112 | Psammaplysin Q | Alkaloid | Sponge | *Aplysinella strongylata* |
| 113 | Psammaplysin R | Alkaloid | Sponge | *Aplysinella strongylata* |
| 114 | Psammaplysin S | Alkaloid | Sponge | *Aplysinella strongylata* |
| 115 | Psammaplysin T | Alkaloid | Sponge | *Aplysinella strongylata* |
| 116 | Psammaplysin U | Alkaloid | Sponge | *Aplysinella strongylata* |
| 117 | Psammaplysin V | Alkaloid | Sponge | *Aplysinella strongylata* |
| 118 | Psammaplysin W | Alkaloid | Sponge | *Aplysinella strongylata* |
| 119 | Sagitol C | Alkaloid | Sponge | *Oceanapia* sp. |
| 120 | Sangiangol A | Terpenoid | Soft coral | *Anthelia* sp. |
| 121 | Sangiangol B | Terpenoid | Soft coral | *Anthelia* sp. |
| 122 | Saranoside S | Saponin | Sponge | *Petrosia* sp. |
| 123 | Sarcassin E | Cembranoid | Soft coral | *Sarcophyton* sp. |
| 124 | Sarcofuranocembrenolide A | Terpenoid | Soft coral | *Sarcophyton* sp. |
| 125 | Sarcofuranocembrenolide B | Terpenoid | Soft coral | *Sarcophyton* sp. |
| 126 | Sarcophytoxide | Cembranoid | Soft coral | *Sarcophyton* sp. |
| 127 | Seribunamide A | Peptide | Sponge | *Ircinia* sp. |
| 128 | Spironaamidine | Alkaloid | Sponge | *Leucetta microraphis* |
| 129 | Spongiapyridine | Terpenoid | Sponge | *Spongia* sp. |
| 130 | Sulfinyltheonellapeptolide | Peptide | Sponge | *Theonella swinhoei* |
| 131 | Tetradehydrohalicyclamine B | Alkaloid | Sponge | *Acanthostrongylophora ingens* |
| 132 | Theonellapeptolide If | Peptide | Sponge | *Theonella swinhoei* |
| 133 | Theopapuamide B | Peptide | Sponge | *Siliquariaspongia mirabilis* |
| 134 | Theopapuamide C | Peptide | Sponge | *Siliquariaspongia mirabilis* |
| 135 | Theopapuamide D | Peptide | Sponge | *Siliquariaspongia mirabilis* |
| 136 | Variabine A | Alkaloid | Sponge | *Luffariella variabilis* |
| 137 | Variabine B | Alkaloid | Sponge | *Luffariella variabilis* |