

## 5104 (Indole)

Name: *N*-Methyl-2,3,6-tribromoindole; 1-Methyl-2,3,6-tribromoindole

{2,3,6-Tribromo-1-methyl-1*H*-indole}

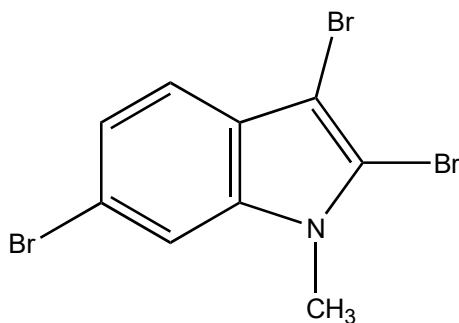
Origin: *Laurencia brongniartii* (Caribbean Sea)<sup>(1)</sup>;

Formula: C<sub>9</sub>H<sub>6</sub>Br<sub>3</sub>N

Mol. Wt.: 367.86

Opt. Rot.:

Mp.: 90.5-91<sup>(1)</sup>; 89-90<sup>(2a)</sup>; 90-91 (EtOAc/hexane)<sup>(2b)</sup>



### References and Notes

- (1) Carter, G. T., Reinhart, K. L., Jr, Li, L. H., Kuentzel, S. L., and Connor, J. L. 1978. *Tetrahedron Lett.*, **19**, 4479-4482. Brominated indoles from *Laurencia brongniartii*. (UV, <sup>1</sup>H-NMR, MS) (together with 1-methyl-2,3,5-tribromoindole, 1-methyl-2,3,6-tribromoindole, 1-methyl-2,3,5,6-tetrabromoindole, 2,3,5,6-tetrabromoindole)
- (2) **Synthesis**; (a) Liu, Y. and Gribble, G. W. 2002. *J. Nat. Prod.*, **65**, 748-749. Syntheses of polybrominated indoles from the red alga *Laurencia brongniartii* and the brittle star *Ophiocoma erinaceus*. (<sup>1</sup>H-NMR, <sup>13</sup>C-NMR); (b) Suarez-Castillo, O. R., Beiza-Granados, L., Melendez-Rodriguez, M., Alvarez-Hernandez, A., Morales-Rios, M. S., and Josepf-Nathan, P. 2006. *J. Nat. Prod.* **69**, 1596-1600. Synthesis of bromoindole alkaloids from *Laurencia brongniartii*. (IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, MS)