

## Product Data Sheet

Product Name: 2-Methyl-5-HT

Cat. No.: GC38108

### Chemical Properties

Cas. No. 78263-90-8

SMILES OC1=CC2=C(NC(C)=C2CCN)C=C1

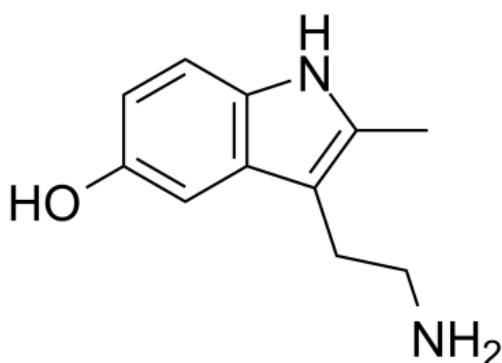
Formula  $C_{11}H_{14}N_2O$  M.Wt 190.24

Solubility DMSO: 125 mg/mL (657.06 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

2-Methyl-5-HT (2-Methyl-5-hydroxytryptamine) is a potent and selective 5-HT<sub>3</sub> receptor agonist. 2-Methyl-5-HT is shown to display anti-depressive-like effects[1].

2-Methyl-5-HT (2-Methyl-5-hydroxytryptamine) significantly decreases time of immobility thus showing anti-depressive-like effects[1]. Animal Model: Male Sprague-Dawley rats[1]

[1]. Sumaya IC, et al. Differential effects of a short-term high-fat diet in an animal model of depression

**Caution: Product has not been fully validated for medical applications. For research use only.**

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in rats treated with the 5-HT<sub>3</sub> receptor antagonist, ondansetron, the 5-HT<sub>3</sub> receptor agonist, 2-methyl-5-HT, and the SSRI, fluoxetine. Pharmacol Biochem Behav. 2016 May;144:78-84.

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