
Product Data Sheet

Product Name: 2-(1H-Indol-3-yl)ethan-1-ol

Cat. No.: GC38301

Chemical Properties

Cas. No. 526-55-6

SMILES OCCC1=CNC2=CC=CC=C21Formula C10H11NO

M.Wt 161.2

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2) (1:1):
0.5 mg/ml, Ethanol: 10 mg/mlStore
Storage 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**

Tryptophol is an indole that has been found in plants, bacteria, fungi, and sponges and has diverse biological activities, including antifungal, sleep-promoting, and quorum-sensing-related properties.^{1,2,3} Tryptophol (100 μM) inhibits the growth of the chytrid fungal skin pathogens *B. dendrobatidis* and *B. salamandrivorans* *in vitro*.¹ As a quorum-sensing molecule, it also induces autostimulation and increases tryptophol production in *B. dendrobatidis* and *B. salamandrivorans* cultures when used at a concentration of 1 μM. Tryptophol (400 mg/kg) induces sleep in mice as assessed by loss of the righting reflex.³

1. Verbrugghe, E., Adriaensen, C., Martel, A., et al. Growth regulation in amphibian pathogenic chytrid fungi by the quorum sensing metabolite tryptophol. *Front. Microbiol.* 9:3277(2019)
 2. Palmieri, A., and Petrini, M. Tryptophol and derivatives: Natural occurrence and applications to the synthesis of bioactive compounds. *Nat. Prod. Rep.* 36(3)490-530(2019)
 3. Feldstein, A., Chang, F.H., and Kucharski, J.M. Tryptophol, 5-

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

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hydroxytryptophol and 5-methoxytryptophol induced sleep in miceLife Sci.9(6)323-329(1970)

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