

Product Data Sheet

Product Name: AL 34662 (formate)

Cat. No.: GC91703

Chemical Properties

Cas. No. N/A

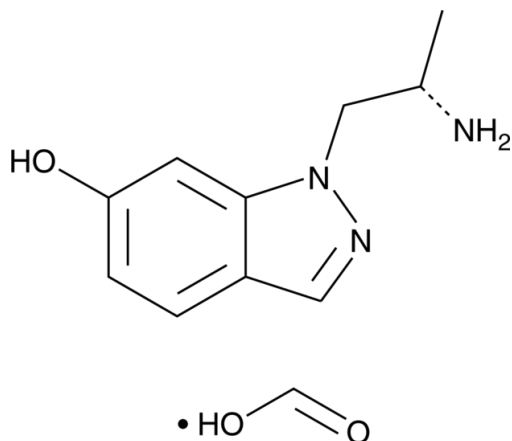
Formula $C_{10}H_{13}N_3O \cdot CH_2O_2$ M.Wt 237.3

Solubility DMSO: Soluble Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

AL 34662 is an agonist of the serotonin (5-HT) receptor subtype 5-HT₂.^[1] It selectively binds to 5-HT₂ receptors ($IC_{50} = 1.5$ and 0.77 nM in isolated and washed human or rat cerebral cortex homogenates, respectively) over a panel of 19 neurotransmitter and steroid receptors at 10 μ M. AL 34662 induces calcium mobilization in a reporter assay using primary human ciliary muscle cells ($EC_{50} = 140$ nM). It reduces intraocular pressure (IOP) in a cynomolgus monkey model of trabeculoplasty-induced ocular hypertension when administered at doses of 100 or 300 μ g/eye.

References:

[1]. Sharif, N.A., McLaughlin, M.A., and Kelly, C.R. AL-34662: A potent, selective, and efficacious

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

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ocular hypotensive serotonin-2 receptor agonistJ. Ocul. Pharmacol. Ther.23(1)1-13(2007).

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