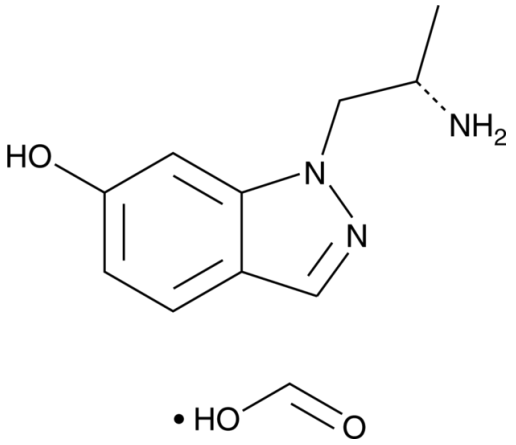
Product Data Sheet

Product Name: AL 34662 (formate)
Cat. No.: GC91703

Chemical Properties

Cas. No.	N/A		
Formula	$C_{10}H_{13}N_3O{\bullet}CH_2O_2$	M.Wt	237.3
Solubility	DMSO: Soluble	Storage	-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

AL 34662 is an agonist of the serotonin (5-HT) receptor subtype 5-HT $_2$.[1] It selectively binds to 5-HT$_2$ 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 µM. 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 µg/eye.

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

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