

## Product Data Sheet

Product Name: Ro60-0175

Cat. No.: GC64606

### Chemical Properties

Cas. No. 169675-08-5

Formula C<sub>11</sub>H<sub>12</sub>ClFN<sub>2</sub>

M.Wt 226.68

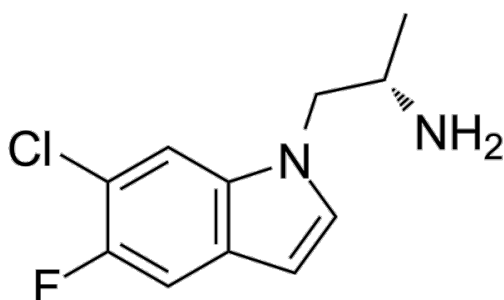
Solubility DMSO : 125 mg/mL (551.44 mM; Need ultrasonic)

Storage 4°C, protect from light

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

Ro60-0175 is a potent and selective agonist of 5-HT<sub>2C</sub> receptor. Ro60-0175 reduces cocaine self-

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

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administration, and the ability of cocaine to reinstate responding after extinction of drug-seeking behavior[1].

Ro60-0175 (1 mg/kg; s.c.) preserves the regularity of responding seen in control animals in drug-treated group, but drug-treated animals reach their break-points earlier[1]. Ro60-0175 (0.5 mg/kg (SB242084); 1 mg/kg (Ro60-0175); s.c., i.p.) reduces responding for cocaine and effect is reversed by SB242084[1]. Ro60-0175 (0.3, 1, and 3 mg/kg (Ro60-0175); 1 mg/kg (yohimbine); s.c.; i.p.) dose dependently attenuates the response increased by the yohimbine treatment alone relative to vehicle injection[1]. Ro60-0175 (0.5 mg/kg (SB242084); 1 mg/kg (Ro60-0175); 1 mg/kg (yohimbine); s.c.; i.p.) reduces responding and that this effect is prevented by SB242084 pretreatment[1]. Ro60-0175 (0.3, 1, and 3 mg/kg; s.c.) significantly reduces responding on the active lever in the reinstatement group[1]. Ro60-0175 (0.5 mg/kg SB242084; 1 mg/kg Ro60-0175; s.c.; i.p.) reduces responding compared to vehicle in the reinstatement group, and that this effect is prevented by pretreatment with SB242084. For responding on the inactive lever, there are no significant main effects or interactions[1].

[1]. Fletcher PJ, et al. The 5-HT<sub>2C</sub> receptor agonist Ro60-0175 reduces cocaine self-administration and reinstatement induced by the stressor yohimbine, and contextual cues. *Neuropsychopharmacology*. 2008;33(6):1402-1412.

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