

Product Data Sheet

Product Name: WAY-161503

Cat. No.: GC45157

Chemical Properties

Cas. No. 75704-24-4

SMILES O=C1NC2=CC(Cl)=C(Cl)C=C2N3C1CNCC3

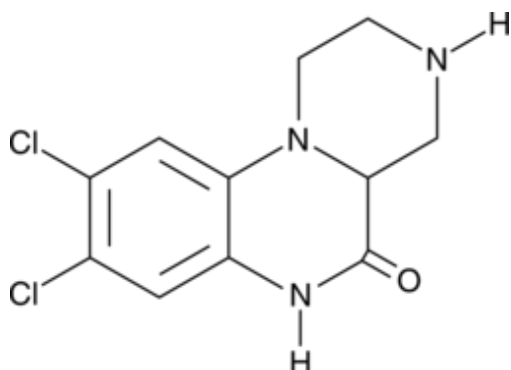
Formula C₁₁H₁₁Cl₂N₃O M.Wt 272.1

Solubility DMF: 30 mg/ml, DMF:PBS(pH 7.2) Storage Store at -20°C
(1:1): 0.5 mg/ml, DMSO: 25 mg/ml, Ethanol: 1 mg/ml

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 sizes: ship with RT, or blue ice upon request.

Structure



Background

WAY-161503 is a full agonist of 5-HT_{2C} receptors. Relative to 5-HT_{2C} receptor binding, WAY-161503 is ~6-fold less potent at 5-HT_{2A} receptors (K_i = 18 nM) and 20-fold less potent at 5-HT_{2B} receptors (K_i = 60 nM). In functional studies, WAY-161503 can stimulate calcium mobilization coupled to 5-HT_{2C}, 2B, and 2A receptors with EC₅₀ values of 0.8, 1.8, and 7 nM, respectively. WAY-161503 has been reported to produce dose-dependent decreases in food intake in 24-hour fasted normal Sprague-Dawley rats, diet-induced obese mice, and obese Zucker rats with ED₅₀ values of 1.9, 6.8, and 0.73 mg/kg, respectively. This compound has been used to examine the role of 5-HT_{2C} receptors in rodent models of depression, locomotion, reinforcement, or motivated

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

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