

Product Data Sheet

Product Name: IHCH-7079

Cat. No.: GC91974

Chemical Properties

Cas. No. 2957888-63-8

Chemical Name 2,3,6bR,7,8,9,10,10aS-octahydro-8-[2-(2-methoxyphenyl)ethyl]-3-methyl-1H-pyrido[3',4':4,5]pyrrolo[1,2,3-de]quinoxaline

SMILES CN1C2=C3N(CC1)[C@](CCN4CCC(C=CC=C5)=C5OC)([H])[C@](C4)([H])C3=CC=C2

Formula $C_{23}H_{29}N_3O$

M.Wt 363.5

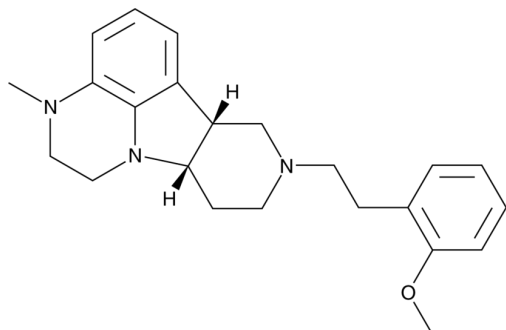
Solubility Ethanol: soluble

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

IHCH-7079 is a β -arrestin-biased agonist of the serotonin (5-HT) receptor subtype 5-HT_{2A} ($K_i = 16.98 \text{ nM}$).¹ It reduces the time spent immobile in the tail suspension and forced swim tests in mice in a model of acute restraint stress-induced depression when administered at a dose of 10 mg/kg, and this effect can be blocked by the 5-HT_{2A} receptor antagonist MDL100907 (volinanserin). IHCH-7079 (2 and 10 mg/kg) does not induce the head-twitch response in mice, indicating a lack of hallucinogenic potential.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

References:

[1]. Cao, D., Yu, J., Wang, H., et al. Structure-based discovery of nonhallucinogenic psychedelic analogs *Science* 375(6579)403-411 (2022).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA