

Product Data Sheet

Product Name: GR119566X

Cat. No.: GC79256

Chemical Properties

Cas. No. 237752-42-0

Formula $C_{20}H_{24}N_4O$

M.Wt 336.43

Solubility

Storage Store at -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

GR119566X is a 5-HT₃ receptor ligand with a pK_i value of 8.80 against purified 5-HT₃ receptor. GR119566X can be used for 5-HT₃ receptor purification [1].

In Vitro, GR119566X (12.5 mg; 16 h) is successfully coupled to Affi-Gel 15 to form an affinity resin that specifically retains solubilized 5-HT₃ receptors from porcine cerebral cortex, enabling receptor purification [1]. GR119566X (60 min at 37°C) binds to membrane-bound, solubilized, and affinity-purified 5-HT₃ receptors from porcine cerebral cortex with consistent high affinity, as shown by pK_i

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

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values ranging from 8.21 to 8.80^[1].

References:

[1]. Fletcher S, et al. Purification of 5-hydroxytryptamine₃ receptors from porcine brain. Br J Pharmacol. 1997 Oct;122(4):655-62.

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