
Product Data Sheet

Product Name: Sigma-LIGAND-1

Cat. No.: GC31294

Chemical Properties

Cas. No. 139652-01-0

SMILES O=C1C(C)=C(C2=CC=CC=C2)OC3=CC=C(OCCCCCN4CCC(O)CC4)C=C13Formula C27H33NO4 M.Wt 435.56

Solubility DMSO : 100 mg/mL (229.59 mM; Need ultrasonic) 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**

Sigma-LIGAND-1 is a selective sigma receptor ligand, has receptor IC50s of 16 nM at the DTG site, 19 nM at the PPP site, and a Ki of 4000 nM at the dopamine D2 receptor.

Administration of Sigma-LIGAND-1 would reverse amphetamine-induced hyperlocomotion in mice, a behavioral model sensitive to antipsychotic compounds. Sigma-LIGAND-1 and its structural analogues have the potential antipsychotic activity[1].

[1]. Erickson RH, et al. (Aminoalkoxy)chromones. Selective sigma receptor ligands. J Med Chem. 1992 May 1;35(9):1526-35.

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

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