
Product Data Sheet

Product Name: L-745870

Cat. No.: GC38805

Chemical Properties

Cas. No. 158985-00-3

SMILES C1C(C=C1)=CC=C1N(CC2)CCN2CC3=CNC4=NC=CC=C43Formula $C_{18}H_{19}ClN_4$

M.Wt 326.82

Solubility DMSO : 25 mg/mL (76.49 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**

L-745870 is a high-affinity, selective and orally active antagonist of human dopamine D4 receptor with K_i of 0.43 nM. L-745870 considerably weaker D2 and D3 receptors affinity with K_i of 960 nM and 2300 nM, respectively. L-745870 has excellent brain penetration.

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

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