
Product Data Sheet

Product Name: (R)-Lanicemine

Cat. No.: GC61847

Chemical Properties

Cas. No. 190581-71-6

SMILES N[C@@H](C1=CC=CC=C1)CC2=CC=CC=N2Formula $C_{13}H_{14}N_2$ M.Wt 198.26

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**

(R)-Lanicemine ((R)-AZD6765) is the less active R-enantiomer of Lanicemine. Lanicemine (AZD6765) is a low-trapping NMDA channel blocker (K_i of 0.56-2.1 μ M for NMDA receptor; IC_{50} s of 4-7 μ M and 6.4 μ M in CHO and Xenopus oocyte cells, respectively). Antidepressant effects[1].

References:

[1]. Sanacora G, et al. Lanicemine: a low-trapping NMDA channel blocker produces sustained antidepressant efficacy with minimal psychotomimetic adverse effects. *Mol Psychiatry*. 2014 Sep;19(9):978-85.

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

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