

Product Data Sheet

Product Name: L-701,324

Cat. No.: GC14810

Chemical Properties

Cas. No. 142326-59-8

Chemical Name 7-chloro-4-hydroxy-3-(3-phenoxyphenyl)quinolin-2(1H)-one

SMILES C1C=CC=C2C(NC(C(C3=CC=CC(OC4=CC=CC=C4)=C3)=C2O)=O)=C1

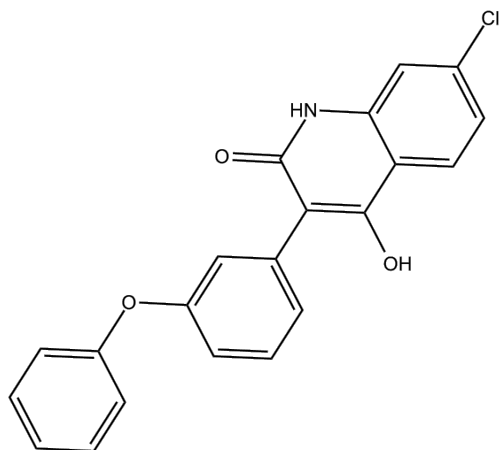
Formula $C_{21}H_{14}ClNO_3$ M.Wt 363.8

Solubility DMF: 30 mg/ml, DMF:PBS (pH 7.2) (1:2): 0.33 mg/ml, DMSO: 15 mg/ml Storage Store at RT

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-701324 is an orally active and long acting anticonvulsant with high affinity and selectivity for the glycine site on the NMDA receptor. Target: NMDA Receptor. L-701324 is a potent, active anticonvulsant with a reduced propensity to activate mesolimbic dopaminergic systems in rodents. L-701324 exhibits a beneficial action in the animal model of parkinsonian rigidity, but not that of

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parkinsonian akinesia. L-701324 (2.5-40 mg/kg, i.p.) dose-dependently decreased the muscle tone enhanced by haloperidol (1-5 mg/kg, i.p.).

References:

[1]. Piotr Wlaziński, et al. Differential effects of glycine on the anticonvulsant activity of D-cycloserine and L-701,324 in mice. Pharmacological Reports 2011,63,1231-1234

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