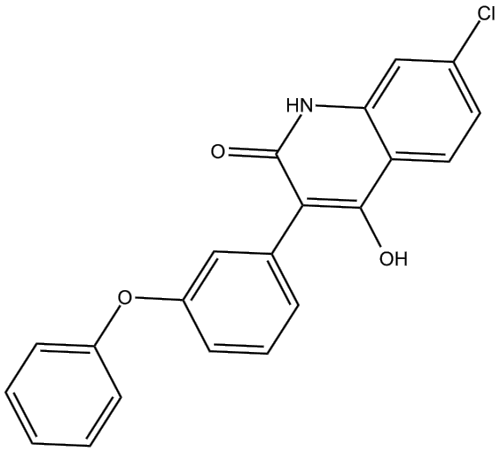
Product Data Sheet

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	ClC1=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 ReceptorL-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

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 Wlaz, 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