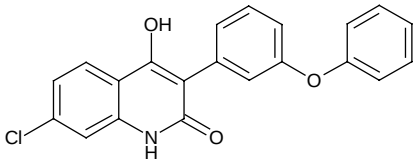
ProductInformation

L-701,324
Product Number **L0258**
Storage Temperature: Room Temperature

CAS#: 142326-59-8
Synonym: 7-Chloro-4-hydroxy-3-(3-phenoxy)phenyl-2(H)-quinolinone



Product Description

Molecular Formula: $C_{21}H_{14}NO_3Cl$
Molecular Weight: 363.80

The N-methyl-D-aspartate (NMDA) receptor is one subtype of ionotropic glutamic acid receptors. The NMDA receptor is a hetero-oligomer consisting of an NR1 subunit combined with one or more NR2 subunits. The receptor has two amino acid recognition sites, one for glutamate and one for glycine (GlycineB), as well as intracellular and extracellular binding sites for polyamines. Selective antagonists have been identified for these site.

L-701,324 is an antagonist that binds with high affinity and selectivity to the glycine site of the NMDA receptor. It is a potent, orally-active anticonvulsant. In rodents, it has been shown to block the psychostimulant-induced activation of mesolimbic dopaminergic systems.

Preparation Instructions
Soluble to 100mM in DMSO.

Storage/Stability
Store at room temperature.

References
1. Bristow, L.J. et al., J. Pharmacol. Exp. Ther., 279(2), 492 (1996).
2. Bristow, L.J. et al., J. Pharmacol. Exp. Ther., 277, 578 (1996).

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