

Felbamate

Catalog No: tcsc2068



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

25451-15-4

Formula:

$C_{11}H_{14}N_2O_4$

Pathway:

Membrane Transporter/Ion Channel;Neuronal Signaling

Target:

iGluR;iGluR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

W-554;ADD-03055

Observed Molecular Weight:

238.24

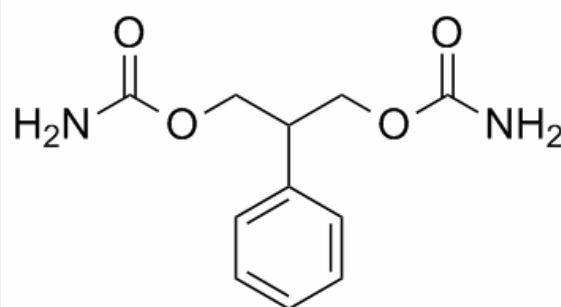
Product Description

Felbamate (FBM) is a potent nonsedative anticonvulsant whose clinical effect may be related to the inhibition of N-methyl-D-aspartate (NMDA) .

Target: NMDA Receptor

Felbamate (marketed under the brand name Felbatol by MedPointe) is an anti-epileptic drug used in the treatment of epilepsy. It is used to treat partial seizures (with and without generalization) in adults and partial and generalized seizures associated with Lennox-Gastaut syndrome in children. However, an increased risk of potentially fatal aplastic anemia and/or liver failure limit the drugs usage to severe refractory epilepsy.

Felbamate has been proposed to a unique dual mechanism of action as a positive modulator of GABAA receptors and as a blocker of NMDA receptors, particularly isoforms containing the NR2B subunit. Although it is clear that felbamate does cause pharmacological inhibition of NMDA receptor of relevance of NMDA receptor blockade as a strategy for the treatment of human epilepsy has been questioned. Therefore, the importance of the effects of felbamate on NMDA receptors to its therapeutic action in epilepsy is uncertain.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!