

# Felbamate (hydrate)

Catalog No: tcsc2069



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

1177501-39-1

**Formula:**

$C_{11}H_{16}N_2O_5$

**Pathway:**

Membrane Transporter/Ion Channel;Neuronal Signaling

**Target:**

iGluR;iGluR

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

W-554 (hydrate);ADD-03055 (hydrate)

**Observed Molecular Weight:**

256.26

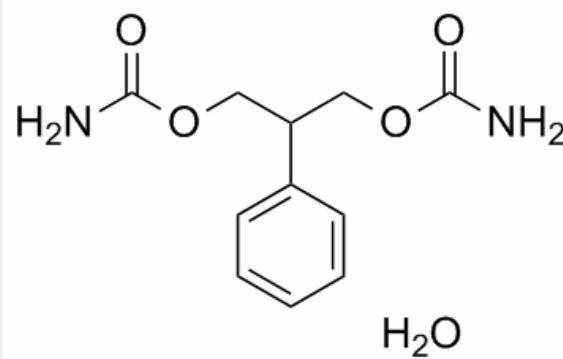
## Product Description

Felbamate hydrate (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!