Product Data Sheet

**Product Name:** Felbamate hydrate  
**CAS No.:** 1177501-39-1  
**Cat. No.:** HY-B0184A  
**Mwt.:** 256.26  
**Formula:** C11H16N2O5  
**Purity:** >98%  
**Solubility:** DMSO

**Mechanisms:**  
Pathways: Membrane Tranporter/Ion Channel; Target: NMDA Receptor  
Pathways: Neuronal Signaling; Target: NMDA Receptor

**Biological Activity:**
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 GABA A 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 N...

**References:**

Caution: Not fully tested. For research purposes only

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