

Product Name	: Fenobam
Synonyms	: —
Cat No.	: M26686
CAS Number	: 57653-26-6
Molecular Formula	: C ₁₁ H ₁₁ ClN ₄ O ₂
Formula Weight	: 266.7
Chemical Name	: —
Description	: Fenobam shows inverse agonist activity which blocks the mGlu5 receptor basal activity (IC ₅₀ : 84 nM). Fenobam has anxiolytic activity. Fenobam is a selective and non-competitive mGluR5 antagonist acting at an allosteric modulatory site (K _d values are 54 and 31 nM for rat and human recombinant mGlu5 receptors, respectively). (In Vivo): Fenobam sulfate (30-60 mg/kg; p.o.) inhibited cocaine self-administration significantly.
Pathway	: Neuroscience
Target	: GluR
Receptor	: MAGL
Solubility	: —
SMILES	: <chem>CN1CC(=O)N=C1NC(=O)Nc1cccc(Cl)c1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Shuhei Ikeda, et al. Design and Synthesis of Novel Spiro Derivatives as Potent and Reversible Monoacylglycerol Lipase (MAGL) Inhibitors: Bioisosteric Transformation from 3-Oxo-3,4-dihydro-2 H-benzo[b][1,4]oxazin-6-yl Moiety. J Med Chem. 2021 Aug 12;64(15):11014-11044.