



Product Information

Fenobam

Cat. No.: X23-12-YM1251

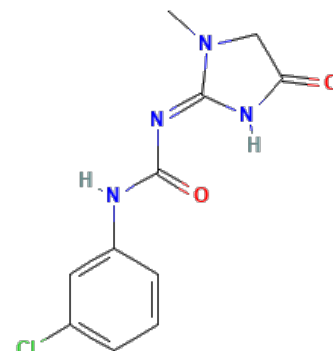
Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 57653-26-6

Compound CID: 135413554

Synonym: 57653-26-6; NPL-2009; NPL2009; NPL 2009

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Fenobam inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets human mGluR5, and rat mGluR5.
Molecular Weight	266.68
Molecular Formula	C ₁₁ H ₁₁ ClN ₄ O ₂
Targets	Human mGluR5: 31 nM (Kd); Rat mGluR5: 54 nM (Kd)
IUPAC Name	(3E)-1-(3-Chlorophenyl)-3-(1-methyl-4-oxoimidazolidin-2-ylidene)urea
InChI	InChI=1S/C11H11ClN4O2/c1-16-6-9(17)14-10(16)15-11(18)13-8-4-2-3-7(12)5-8/h2-5H,6H2,1H3,(H 2,13,14,15,17,18)
InChI Key	DWPQODZAOSWNHB-UHFFFAOYSA-N
Canonical SMILES	CN1CC(=O)NC1=NC(=O)NC2=CC(=CC=C2)Cl
Isomeric SMILES	CN\1CC(=O)N/C1=N\C(=O)NC2=CC(=CC=C2)Cl
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Fenobam can be used for its anxiolytic effects.
Storage	Store at -20°C, and keep desiccated.