

Product datasheet

Fenobam, mGlu5 antagonist ab120034

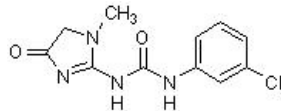
1 Image

Overview

Product name	Fenobam, mGlu5 antagonist
Description	Selective, potent, orally active mGlu ₅ antagonist
Biological description	Selective, potent mGlu ₅ receptor antagonist acting at an allosteric modulatory site (K_d values are 54 and 31 nM at rat and human recombinant mGlu ₅ receptors, respectively). Displays inverse agonist properties and blocks mGlu ₅ receptor basal activity (IC_{50} = 84 nM). Orally active, atypical anxiolytic.

CAS Number 57653-26-6

Chemical structure



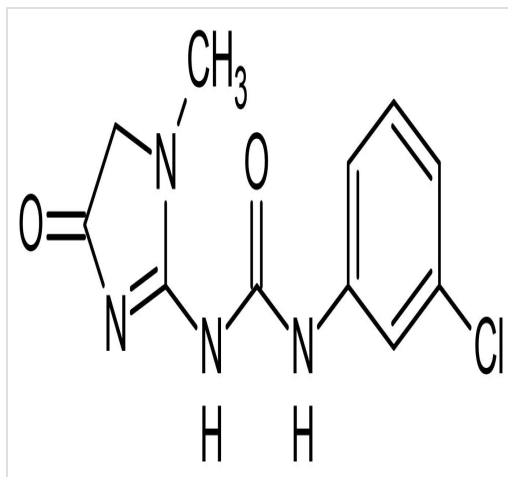
Properties

Chemical name	1-(3-Chlorophenyl)-3-(4,5-dihydro-1-methyl-4-oxo-1 <i>H</i> -imidazol-2-yl)urea
Molecular weight	266.68
Molecular formula	C ₁₁ H ₁₁ ClN ₄ O ₂
PubChem identifier	162834
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Toxic, refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	O=C2N=C(NC(=O)Nc1cccc(Cl)c1)N(C)C2

Source

Synthetic

Images



2D chemical structure image of ab120034, Fenobam, mGlu5 antagonist

Chemical Structure - Fenobam, mGlu₅ antagonist

(ab120034)

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