

Product datasheet

IEM-1460, GluR2 lacking AMPA receptor blocker
 ab141507

3 References 1 Image

Overview

Product name IEM-1460, GluR2 lacking AMPA receptor blocker

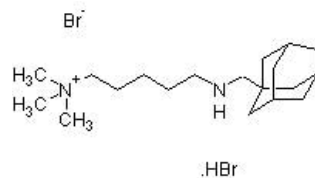
Description Selective GluR2 lacking AMPA receptor blocker. Open channel blocker.

Biological description Selective, Ca²⁺ permeable GluR2-lacking AMPA receptor blocker (IC₅₀ values are 2.6 and 1102 μM for GluR2-lacking and GluR2-containing receptors, respectively). Blocks NMDA receptor-mediated currents. Shows anticonvulsant effects *in vivo*.

Also available in simple stock solutions ([ab146737](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS Number 121034-89-7

Chemical structure



Properties

Chemical name *N,N,N*-Trimethyl-5-[(tricyclo[3.3.1.1^{3,7}]dec-1-ylmethyl)amino]-1-pentanaminium bromide hydrobromide

Molecular weight 454.33

Molecular formula C₁₉H₃₇BrN₂.HBr

PubChem identifier 6604954

Storage instructions Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview Soluble in water to 100 mM and 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.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

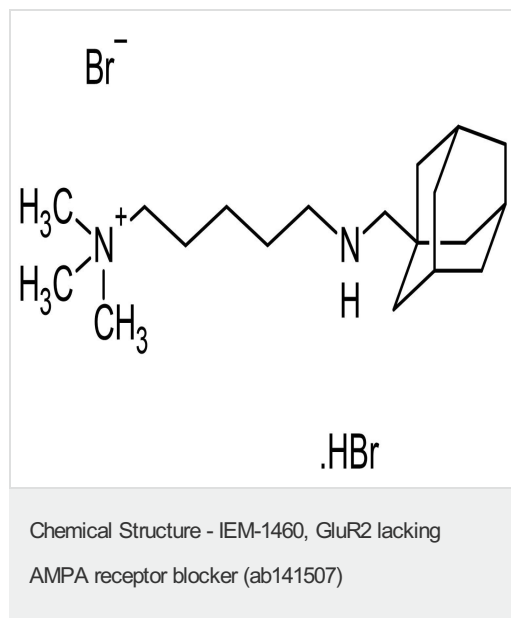
SMILES

C[N+](C)(C)CCCCNCC12CC3CC(C1)CC(C3)C2.Br.[Br-]

Source

Synthetic

Images



2D chemical structure image of ab141507, IEM-1460, GluR2 lacking AMPA receptor blocker

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