

Product datasheet

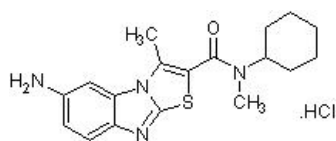
YM298198 hydrochloride, mGlu<sub>1</sub> antagonist ab120015

4 References

Overview

<b>Product name</b>	YM298198 hydrochloride, mGlu <sub>1</sub> antagonist
<b>Description</b>	Potent, selective mGlu <sub>1</sub> antagonist
<b>Biological description</b>	Potent, selective, water-soluble, non-competitive mGlu <sub>1</sub> antagonist (IC <sub>50</sub> = 16 nM) Selective over mGlu <sub>2,3,4,5,6,</sub> and <sub>7</sub> and ionotropic receptors (IC <sub>50</sub> > 10 μM). Orally active analgesic <i>in vivo</i> .  Also available in simple stock solutions ( <a href="#">ab146667</a> ) - add 1 ml of water to get an exact, ready-to-use concentration.
<b>Purity</b>	> 99%
<b>CAS Number</b>	748758-45-4

Chemical structure



Properties

<b>Chemical name</b>	6-Amino- <i>N</i> -cyclohexyl- <i>N</i> ,3-dimethylthiazolo[3,2- <i>a</i> ]benzimidazole-2-carboxamide hydrochloride
<b>Molecular weight</b>	378.92
<b>Molecular formula</b>	C <sub>18</sub> H <sub>22</sub> N <sub>4</sub> OS.HCl
<b>PubChem identifier</b>	45073464
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	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 <a href="#">frequently asked questions (FAQ) page</a> for more details.

SMILES

Cl.CN(C1CCCCC1)C(=O)c3sc4nc2ccc(N)cc2n4c3C

**Source**

Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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