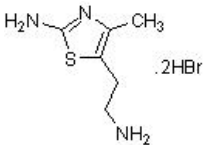


Product datasheet

Amthamine dihydrobromide, H2 agonist ab120778

2 Images

Overview

Product name	Amthamine dihydrobromide, H2 agonist
Description	Selective H ₂ agonist
Biological description	Selective H ₂ agonist (pK _i = 5.2). Weak antagonist of H ₃ and displays no activity at H ₁ . Increases gastric acid secretion. Additionally increases blood pressure.
Purity	> 99%
CAS Number	142457-00-9
Chemical structure	

Properties

Chemical name	2-Amino-4-methyl-5-thiazoleethanamine dihydrobromide
Molecular weight	319.06
Molecular formula	C ₆ H ₁₁ N ₃ S.2HBr
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic

Applications

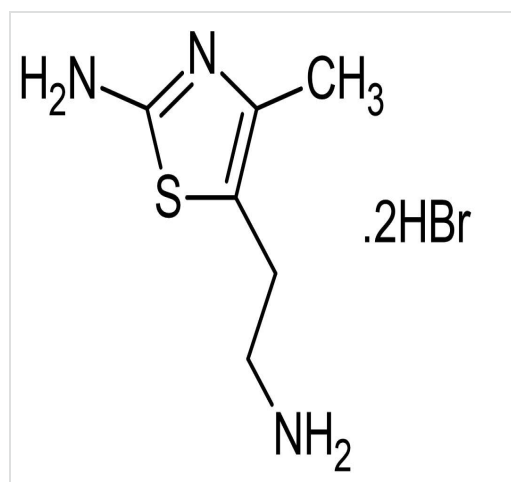
The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab120778 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

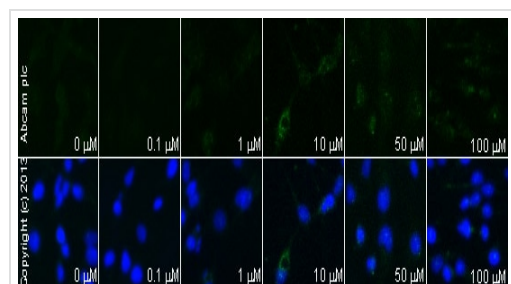
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Chemical Structure - Amthamine dihydrobromide, H₂ agonist (ab120778)

2D chemical structure image of ab120778, Amthamine dihydrobromide, H₂ agonist



Functional Studies - Amthamine dihydrobromide, H₂ agonist (ab120778)

[ab78079](#) staining PKA R2 (phospho S96) in HepG2 cells treated with amthamine dihydrobromide (ab120778), by ICC/IF. Increase of PKA R2 (phospho S96) expression correlates with increased concentration of amthamine dihydrobromide, as described in literature.

The cells were incubated at 37°C for 60 minutes in media containing different concentrations of ab120778 (amthamine dihydrobromide) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with [ab78079](#) (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody ([ab96899](#)) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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