

Product datasheet

(+)-Valienamine hydrochloride, Carbohydrase inhibitor ab144812

Overview

Product name	(+)-Valienamine hydrochloride, Carbohydrase inhibitor
Description	Competitive carbohydrase inhibitor
Biological description	Competitive carbohydrase inhibitor (IC ₅₀ values are 0.78 and 1 mM for glucosidase I and II respectively).
CAS Number	38231-86-6

Properties

Chemical name	(1 <i>S</i> ,2 <i>S</i> ,3 <i>R</i> ,6 <i>S</i>)-6-Amino-4-(hydroxymethyl)-4-cyclohexene-1,2,3-triol hydrochloride
Molecular weight	211.64
Molecular formula	C ₇ H ₁₃ NO ₄ .HCl
PubChem identifier	46783223
Storage instructions	Store at -20°C. Store In the Dark. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
Solubility overview	Soluble in Water
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	C1=C([C@H]([C@@H]([C@H]([C@H]1N)O)O)O)CO.Cl
Source	Synthetic

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

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team