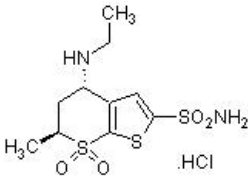


Product datasheet

Dorzolamide Hydrochloride, carbonic anhydrase II inhibitor ab142987

Overview

Product name	Dorzolamide Hydrochloride, carbonic anhydrase II inhibitor
Description	Potent and selective carbonic anhydrase II inhibitor
Biological description	Potent and selective carbonic anhydrase II inhibitor (IC ₅₀ values are 0.2, 43 and 52 nM for CA II, IV and IX respectively). Decreases the production of aqueous humor. Lowers intra-ocular pressure <i>in vivo</i> .
Purity	> 99%
CAS Number	130693-82-2
Chemical structure	

Properties

Chemical name	(4S,6S)-4-(Ethylamino)-6-methyl-7,7-dioxo-5,6-dihydro-4H-thieno[2,3-b]thiopyran-2-sulfonamide hydrochloride
Molecular weight	360.90
Molecular formula	C ₁₀ H ₁₇ ClN ₂ O ₄ S ₃
PubChem identifier	6918132
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 25 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>
SMILES	CCNC1CC(S(=O)(=O)C2=C1C=C(S2)S(=O)(=O)N)C.Cl

Source

Synthetic

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

Our Abpromise to you: Quality guaranteed and expert technical support

- 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

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- 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