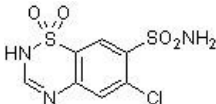


Product datasheet

Chlorothiazide, carbonic anhydrase inhibitor ab143041

Overview

Product name	Chlorothiazide, carbonic anhydrase inhibitor
Description	diuretic and antihypertensive. Carbonic anhydrase inhibitor.
Biological description	Carbonic anhydrase inhibitor. Inhibits Na ⁺ /Cl ⁻ reabsorption from the distal convoluted tubules. Selectively transported by ABCG2 (K _m = 335 μM). Shows diuretic and antihypertensive effects <i>in vivo</i> . Orally active.
Purity	> 98%
CAS Number	58-94-6
Chemical structure	

Properties

Chemical name	6-Chloro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide
Molecular weight	295.72
Molecular formula	C ₇ H ₆ ClN ₃ O ₄ S ₂
PubChem identifier	2720
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO 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>
SMILES	C1(=C(C=C2C(=C1)N=CNS2(=O)=O)S(N)(=O)=O)Cl
Source	Synthetic

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

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- 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