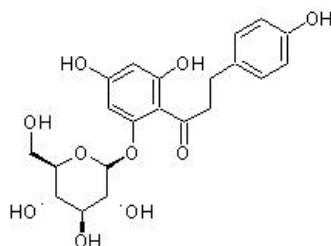


Product datasheet

Phlorizin, SGLT inhibitor ab143144

Overview

Product name	Phlorizin, SGLT inhibitor
Description	Potent, competitive SGLT inhibitor
Biological description	Potent, competitive SGLT inhibitor (IC ₅₀ values are 400 and 65 nM for SGLT1 and SLGT2 respectively). Induces renal glycosuria and blocks intestinal glucose absorption <i>in vivo</i> . Orally active.
Purity	> 99%
CAS Number	60-81-1
Chemical structure	



Properties

Chemical name	1-[2,4-Dihydroxy-6-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]-3-(4-hydroxyphenyl)propan-1-one
Molecular weight	436.41
Molecular formula	C ₂₁ H ₂₄ O ₁₀
PubChem identifier	6072
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble to 100 mM in DMSO and to 100 mM in ethanol
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=CC(=CC=C1CCC(=O)C2=C(C=C(C=C2OC3C(C(C(C(O3)CO)O)O)O)O)O)O

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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