**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 SGLT2 respectively). Induces renal glycosuria and blocks intestinal glucose absorption *in vivo*. Orally active.

**Purity**
> 99%

**CAS Number**
60-81-1

**Chemical structure**

![Chemical structure of Phlorizin](image)

**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=C2OC3C(C(C(C(O3)CO)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”

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- Replacement or refund for products not performing as stated on the datasheet
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