Tiliroside, CYP inhibitor ab141455

Overview

**Product name**
Tiliroside, CYP inhibitor

**Description**
Reversible, competitive CYP inhibitor. Anti-inflammatory and antioxidant agent.

**Biological description**
Anti-inflammatory and antioxidant agent. Reversible, competitive CYP inhibitor (IC\(_{50}\) values are 9, 10 and 12 μM for CYP3A4, CYP2C9 and CYP2C8 respectively). Inhibits NO, TNF-α and IL-12 production in activated macrophages. Antihypertensive and antiobesigenic effects in vivo. Orally active.

**Purity**
> 98%

**CAS Number**
20316-62-5

**Chemical structure**

![Chemical structure diagram](image)

**Chemical name**
\([(2R,3S,4S,5R,6S)-6\{5,7\text{-dihydroxy-2-\(\text{4-hydroxyphenyl}\)-4-oxochromen-3-yl\}oxy-3,4,5\text{-trihydroxyoxan-2-yl\}methyl (E) \text{-3-(4-hydroxyphenyl)}prop-2-enoate}]

**Molecular weight**
594.52

**Molecular formula**
C\(_{30}\)H\(_{26}\)O\(_{13}\)

**PubChem identifier**
5320686

**Storage instructions**
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**
Soluble in DMSO and 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**

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\text{C1=CC(=CC=CC(=O)OC2C(C(C(O2)OC3=CC(=CC(=C4C3=O)O)O)C5=CC(=C(C=C5)O)O)O)O)}
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**Source**

Synthetic

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Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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