Product datasheet

13,14-Dihydroprostaglandin E1, Prostaglandin E₁ (PGE₁) metabolite ab141716

Overview

Product name
13,14-Dihydroprostaglandin E1, Prostaglandin E₁ (PGE₁) metabolite

Description
Prostaglandin E₁ (PGE₁) metabolite

Biological description
Endogenous prostaglandin E₁ (PGE₁) metabolite. Inhibits ADP induced platelet aggregation in vitro (IC₅₀ = 31 nM). Antimitotic agent.

Purity
> 98%

CAS Number
19313-28-1

Chemical structure

Properties

Chemical name
7-[(1R,2R,3R)-3-Hydroxy-2-[(3S)-3-hydroxyoctyl]-5-oxocyclopentyl]heptanoic

Molecular weight
356.50

Molecular formula
C₂₀H₃₆O₅

PubChem identifier
161273

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 to 100 mM and in ethanol to 100 mM

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: \texttt{CCCCC(CCC1C(CC(=O)C1CCCCCC(=O)O)O)O}

Source: Synthetic

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