(+)−Warfarin (R−Warfarin) ab143734

Overview

Product name
(+)−Warfarin (R−Warfarin)

Description
Optically active R-Warfarin enantiomer. Vitamin K₁-epoxide reductase inhibitor.

Biological description
Optically active R-Warfarin (ab141979) enantiomer. Vitamin K₁-epoxide reductase inhibitor. CYP2C9 substrate. Inhibits vitamin K-dependent synthesis of clotting factors. Shows less potent anticoagulant effects (IC₅₀ = 0.53 μM) than S-Warfarin (ab143733) in vivo. Orally active.

Purity
> 98%

Properties

Chemical name
4-Hydroxy-3-[(1R)-3-oxo-1-phenylbutyl]chromen-2-one

Molecular weight
308.33

Chemical structure

![Chemical structure](image)

Molecular formula
C₁₉H₁₆O₄

CAS Number
5543-58-8

PubChem identifier
54684598

Storage instructions
Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview
Soluble in water to 50 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
CC(=O)CC(C1=CC=CC=C1)C2=C(C3=CC=CC=C3)C2=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"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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