

Product Datasheet

Phenethyl ferulate (orb1297170)

Catalog Number	orb1297170
Category	Small Molecules
Description	Phenethyl ferulate is a dual cyclooxygenase (COX) and 5-lipoxygenase (5-LOX) inhibitor with IC50 values of 4.35 µM and 5.75 µM, respectively. It exhibits chemopreventive properties, enhancing apoptosis in colon tumors in vivo and demonstrating potential for research in colon carcinogenesis and inflammation-related studies.
Target	COX,Lipoxygenase
Purity	99.58% (May vary between batches)
MW	298.33
Target Areas	Lipoxygenase COX
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:1 mg/mL (3.35 mM);DMSO:2.99 mg/mL (10.02 mM)
CAS Number	71835-85-3
Formula	C ₁₈ H ₁₈ O ₄
SMILES	COc1cc(\C=C\C(=O)OCCc2ccccc2)ccc1O
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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