CD BioGlyco
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Product Information

Epoxide hydrolase inhibitor, Acenocoumarol, Purity ≥98%

Cat. No.: X24-09-YM643

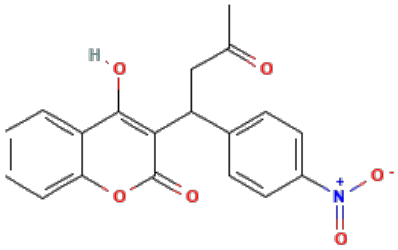
Size: 5 mg; 10 mg; 20 mg; 50 mg

MDL: MFCD00137816

CAS Number: 152-72-7

Compound CID: 54676537

Synonym: 152-72-7; Sintrom; Acenocoumarin; Nicoumalone; G-23350; Sinthrome; 4-Hydroxy-3-[1-(4-nitrophenyl)-3-oxobutyl]chromen-2-one; Epoxide hydrolase inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Acenocoumarol is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting epoxide hydrolase. The molecular weight of the compound is 353.33, and its molecular formula is $C_{19}H_{15}NO_6$.
Molecular Weight	353.33
Molecular Formula	$C_{19}H_{15}NO_6$
IUPAC Name	4-Hydroxy-3-[1-(4-nitrophenyl)-3-oxobutyl]chromen-2-one
InChI	InChI=1S/C19H15NO6/c1-11(21)10-15(12-6-8-13(9-7-12)20(24)25)17-18(22)14-4-2-3-5-16(14)26-19(17)23/h2-9,15,22H,10H2,1H3
InChI Key	VABCILAOYCMVPS-UHFFFAOYSA-N
Canonical SMILES	CC(=O)CC(C1=CC=C(C=C1)[N+](=O)[O-])C2=C(C3=CC=CC=C3OC2=O)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Acenocoumarol can be studied extensively for its potential therapeutic applications in the treatment of atrial fibrillation and venous thromboembolism.
Storage	Store at -20ºC, and keep desiccated.

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