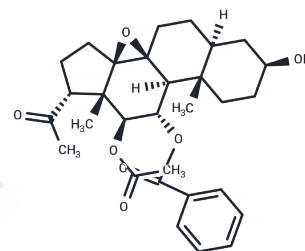


11 α -O-Benzoyl-12 β -O-acetyltenacigenin B

Chemical Properties

CAS No. :	154022-52-3
Formula:	C ₃₀ H ₃₈ O ₇
Molecular Weight:	510.62
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	11 α -O-Benzoyl-12 β -O-acetyltenacigenin B, a derivative of Tenacigenin B from <i>Marsdenia tenacissima</i> , functions as an inhibitor of P-glycoprotein (Pgp). This compound has demonstrated its ability to counteract multidrug resistance (MDR) associated with the overexpression of P-glycoprotein (Pgp) in HepG2/Dox cells. It shows promise for applications in cancer research.
Targets(IC50)	P-gp

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9584 mL	9.792 mL	19.584 mL
5 mM	0.3917 mL	1.9584 mL	3.9168 mL
10 mM	0.1958 mL	0.9792 mL	1.9584 mL
50 mM	0.0392 mL	0.1958 mL	0.3917 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481