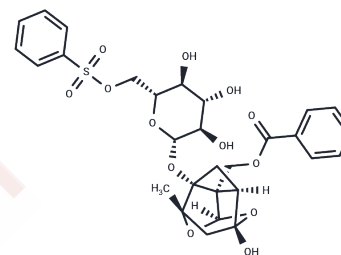


Paeoniflorin-6'-O-benzene sulfonate

Chemical Properties

CAS No. :	1390658-79-3
Formula:	C ₂₉ H ₃₂ O ₁₃ S
Molecular Weight:	620.622
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	Paeoniflorin-6'-O-benzene sulfonate (CP-25) acts as an inhibitor of G protein-coupled receptor kinase 2 (GRK2), preventing its translocation to the cell membrane and inhibiting the JAK1/STAT3 signaling pathway. It suppresses HaCaT cell proliferation induced by IL-17A/CXCL2. In mouse models, CP-25 reduces the levels of inflammatory cytokines and chemokines such as IL-17A, IL-17F, IFN- γ , TNF- α , IL-22, IL-23, CXCL2, CXCL3, and CXCL9, thereby alleviating psoriasis induced by Imiquimod.
Targets(IC50)	STAT,CXCR,GRK,IFNAR,Interleukin,JAK,TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6113 mL	8.0565 mL	16.1129 mL
5 mM	0.3223 mL	1.6113 mL	3.2226 mL
10 mM	0.1611 mL	0.8056 mL	1.6113 mL
50 mM	0.0322 mL	0.1611 mL	0.3223 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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