

15,16-Di-O-acetyldarutoside

Chemical Properties

CAS No. :	1188282-02-1
Formula:	C30H48O10
Molecular Weight:	568.70
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	15,16-Di-O-acetyldarutoside is an acetylated triterpenoid saponin derivative derived from natural products. Acetylation of the hydroxyl groups at positions 15 and 16 in its structure alters the molecule's lipophilicity and biological activity. It is commonly used in natural product chemistry research and exhibits anti-inflammatory, wound-healing, and cell-protective activities.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7584 mL	8.792 mL	17.584 mL
5 mM	0.3517 mL	1.7584 mL	3.5168 mL
10 mM	0.1758 mL	0.8792 mL	1.7584 mL
50 mM	0.0352 mL	0.1758 mL	0.3517 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.

Reference

Wang F, et al. ent-Pimarane diterpenoids from *Siegesbeckia orientalis* and structure revision of a related compound. *J Nat Prod.* 2009;72(11):2005-2008.

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