Data Sheet (Cat.No.TN3426)

TargetMol
A DRUG SCREENING EXPERT

Anwuweizonic acid

Chemical Properties

CAS No.:	117020-59-4
Formula:	C30H46O3
Molecular Weight:	454.7
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Anwuweizonic acid may have inhibitory effects on 12-O-tetradecanoylphorbol-13-acetate (TPA)-induced inflammation in mice. Mixture of coccinic acid and anwuweizonic acid has antifertility activity, shows significant inhibitory activity against human decidual cells and rat luteal cells in vitro.
Targets(IC_{50})	Others: None
In vitro	METHODS AND RESULTS: A new triterpenoid named melliferone (1), three known triterpenoids, moronic acid (2), Anwuweizonic acid (3), and betulonic acid (4), and four known aromatic compounds (5-8) were isolated from Brazilian propolis and tested for anti-HIV activity in H9 lymphocytes. CONCLUSIONS: Moronic acid (2) showed significant anti-HIV activity (EC(50) <0.1 microg/mL, TI >186) and was modified to develop more potent anti-AIDS agents.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.199 mL	10.996 mL	21.993 mL
5 mM	0.440 mL	2.199 mL	4.399 mL
10 mM	0.220 mL	1.100 mL	2.199 mL
50 mM	0.044 mL	0.220 mL	0.440 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Anti-AIDS agents. 48.(1) Anti-HIV activity of moronic acid derivatives and the new melliferone-related triterpenoid isolated from Brazilian propolis. J Nat Prod. 2001 Oct;64(10):1278-81.

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