

Neophellamuretin

Chemical Properties

CAS No. : 52589-20-5

Formula: C₂₀H₂₀O₆

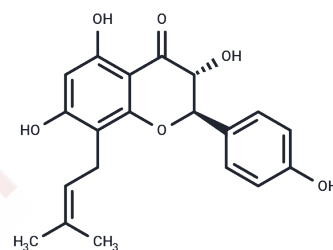
Molecular Weight: 356.37

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	Neophellamuretin is a flavonoid compound from the roots of <i>Akschindlium godefroyanum</i> that inhibits <i>Trichophyton rubrum</i> .
Targets(IC ₅₀)	Antifungal
In vitro	Neophellamuretin inhibited <i>Trichophyton rubrum</i> with a minimum inhibitory concentration (MIC) of 62.5 µg/mL. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8061 mL	14.0304 mL	28.0607 mL
5 mM	0.5612 mL	2.8061 mL	5.6121 mL
10 mM	0.2806 mL	1.403 mL	2.8061 mL
50 mM	0.0561 mL	0.2806 mL	0.5612 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

Sasaki H, et al. Prenylated flavonoids from the roots of *Desmodium caudatum* and evaluation of their antifungal activity. *Planta Med.* 2012 Nov;78(17):1851-6.

Saejueng K, et al. Radical scavenging activities of flavonoids from roots of *Akschindlium godefroyanum*. *Nat Prod Res.* 2015;29(12):1177-9.

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