

Thermopsoside

Chemical Properties

CAS No. : 19993-32-9

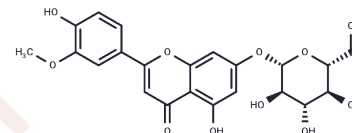
Formula: C₂₂H₂₂O₁₁

Molecular Weight: 462.4

Keep away from direct sunlight

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	Thermopsoside is a flavonoid derivative isolated from <i>Aspalathus linearis</i> . Thermopsoside inhibits CYP450 isozymes, with IC ₅₀ values of 6.0 μM, 9.5 μM, 12.0 μM, and 32.0 μM against CYP3A4, CYP2C19, CYP2D6, and CYP2C9, respectively.
Targets(IC ₅₀)	Cytochromes P450

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1626 mL	10.8131 mL	21.6263 mL
5 mM	0.4325 mL	2.1626 mL	4.3253 mL
10 mM	0.2163 mL	1.0813 mL	2.1626 mL
50 mM	0.0433 mL	0.2163 mL	0.4325 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

Omer I Fantoukh, et al. Safety Assessment of Phytochemicals Derived from the Globalized South African Rooibos Tea (*Aspalathus linearis*) through Interaction with CYP, PXR, and P-gp. *J Agric Food Chem.* 2019 May 1;67(17): 4967-4975.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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