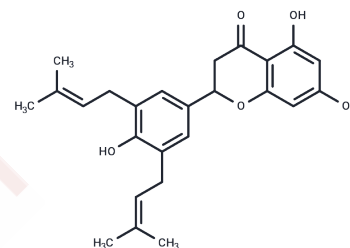


## Abyssinone V

## Chemical Properties

CAS No. :	77263-11-7
Formula:	C <sub>25</sub> H <sub>28</sub> O <sub>5</sub>
Molecular Weight:	408.49
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	Abyssinone V is a natural compound isolated from the stem bark of <i>Erythrina melanacantha</i> and an inhibitor of protein tyrosine phosphatase-1B (PTP1B).
Targets(IC50)	ATPase,HSV,DNA/RNA Synthesis,Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.448 mL	12.2402 mL	24.4804 mL
5 mM	0.4896 mL	2.448 mL	4.8961 mL
10 mM	0.2448 mL	1.224 mL	2.448 mL
50 mM	0.049 mL	0.2448 mL	0.4896 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

Koch K, et al. Abyssinone V, a prenylated flavonoid isolated from the stem bark of *Erythrina melanacantha* increases oxidative stress and decreases stress resistance in *Caenorhabditis elegans*. *J Pharm Pharmacol*. 2019 Jun;71(6):1007-1016.

Na M, et al. Protein tyrosine phosphatase-1B inhibitory activity of isoprenylated flavonoids isolated from *Erythrina mildbraedii*. *J Nat Prod*. 2006 Nov;69(11):1572-6.

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