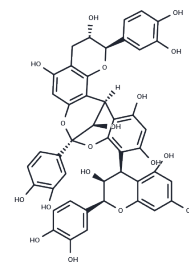


Peanut procyanidin A

Chemical Properties

CAS No. :	1802175-67-2
Formula:	C45H36O18
Molecular Weight:	864.76
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	Peanut procyanidin A, an A-type proanthocyanidin isolated from peanut skins, protects DU145 prostate cells from H2O2-induced oxidative stress via the MAPKs signaling pathway. This compound mitigates cell cycle arrest and reduces cell death (apoptosis). Additionally, peanut procyanidin A regulates the intestinal microbiota and metabolism in mice with DSS-induced ulcerative colitis.
Targets(IC50)	Apoptosis, Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1564 mL	5.782 mL	11.5639 mL
5 mM	0.2313 mL	1.1564 mL	2.3128 mL
10 mM	0.1156 mL	0.5782 mL	1.1564 mL
50 mM	0.0231 mL	0.1156 mL	0.2313 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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