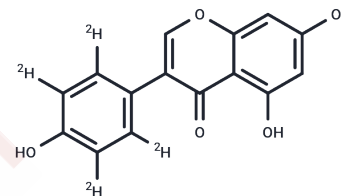


Genistein-D4

Chemical Properties

CAS No. :	187960-08-3
Formula:	C ₁₅ H ₁₀ O ₅
Molecular Weight:	274.26
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	Genistein-D4 is the deuterated form of Genistein, an isoflavone derived from soy. Genistein (T1737) acts as a multitargeted inhibitor of tyrosine kinases (such as EGFR) and serves as a chemotherapeutic agent for various cancers. Its primary mechanisms include altering apoptosis, influencing the cell cycle, modulating angiogenesis, and inhibiting metastasis.
Targets(IC50)	Apoptosis,EGFR,Endogenous Metabolite,Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6462 mL	18.2309 mL	36.4618 mL
5 mM	0.7292 mL	3.6462 mL	7.2924 mL
10 mM	0.3646 mL	1.8231 mL	3.6462 mL
50 mM	0.0729 mL	0.3646 mL	0.7292 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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