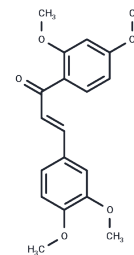


Butein tetramethyl ether

Chemical Properties

CAS No. : 155048-06-9
 Formula: C₁₉H₂₀O₅
 Molecular Weight: 328.359
 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	Butein tetramethyl ether (Compound 20) is a potent and selective inhibitor of breast cancer resistance protein / ATP-binding cassette sub-family G member 2 (BCRP/ABCG2). It inhibits MCF-7 MX and MDCKBCRP cells with IC ₅₀ values of 2.2 μM and 1.03 μM, respectively. Butein tetramethyl ether holds potential for cancer research.
Targets(IC ₅₀)	BCRP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0454 mL	15.2272 mL	30.4544 mL
5 mM	0.6091 mL	3.0454 mL	6.0909 mL
10 mM	0.3045 mL	1.5227 mL	3.0454 mL
50 mM	0.0609 mL	0.3045 mL	0.6091 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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