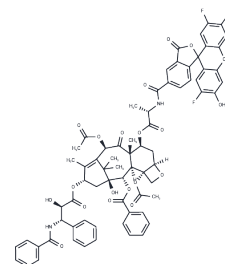


Flutax-2

Chemical Properties

CAS No. :	301844-13-3
Formula:	C71H64F2N2O21
Molecular Weight:	1319.283
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	Green fluorescent taxol derivative. Used for microtubule imaging. Binds microtubules with high affinity ($K_a \sim 10^7 M^{-1}$). Excitation/emission maximum $\lambda \sim 496/526$ nm.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.758 mL	3.7899 mL	7.5799 mL
5 mM	0.1516 mL	0.758 mL	1.516 mL
10 mM	0.0758 mL	0.379 mL	0.758 mL
50 mM	0.0152 mL	0.0758 mL	0.1516 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

Lillo et al (2002) Location and properties of the Tax. binding center in microtubules: a picosecond laser study with fluorescent taxoids. Biochemistry. 41 12436 PMID:12369834

Diaz et al (2000) Molecular recognition of Tax. by microtubules. Kinetics and thermodynamics of binding of fluorescent Tax. derivatives to an exposed site. J.Biol.Chem. 275 26265 PMID:10818101

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