

Brivanib Alaninate-D4

Chemical Properties

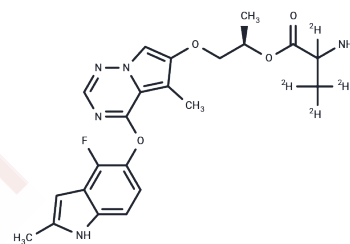
CAS No. :

Formula: C22H20D4FN5O4

Molecular Weight: 445.48

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

Brivanib Alaninate-D4 is a deuterated compound of Brivanib Alaninate. Brivanib Alaninate (T89560) has a CAS number of 649735-63-7. Brivanib Alaninate (T89560) is the alaninate salt of a vascular endothelial growth factor receptor 2 (VEGFR2) inhibitor with potential antineoplastic activity. Brivanib strongly binds to and inhibits VEGFR2, a tyrosine kinase receptor expressed almost exclusively on vascular endothelial cells; inhibition of VEGFR2 may result in inhibition of tumor angiogenesis, inhibition of tumor cell growth, and tumor regression.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2448 mL	11.2238 mL	22.4477 mL
5 mM	0.449 mL	2.2448 mL	4.4895 mL
10 mM	0.2245 mL	1.1224 mL	2.2448 mL
50 mM	0.0449 mL	0.2245 mL	0.449 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

1. Bhide RS, et al. J Med Chem, 2006, 49(7), 2143-2146.

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