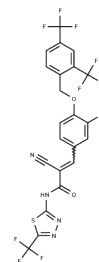


XCT790

Chemical Properties

CAS No. : 725247-18-7
 Formula: C₂₃H₁₃F₉N₄O₃S
 Molecular Weight: 596.42
 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	XCT790 is a potent, selective and inverse agonist of estrogen-related receptor alpha (ERR α).
Targets(IC50)	Estrogen Receptor/ERR,Estrogen/progestogen Receptor,Autophagy
Kinase Assay	The inhibition of SHP2 from the tested compounds (SHP099) concentrations varying from 0.003-100 μ M is monitored using an assay in which 0.5 nM of SHP2 is incubated with of 0.5 μ M of peptide IRS1_pY1172(dPEG8)pY1222. After 30-60 minutes incubation at the surrogate substrate, DiFMUP is added to the reaction and incubated at 25 °C for 30 minutes. The reaction is then quenched by the addition of 5 μ L of a 160 μ M solution of bpV(Phen). The fluorescence signal is monitored using a microplate reader using excitation and emission wavelengths of 340 nm and 450 nm, respectively[1].

Solubility Information

Solubility	DMSO: 5.91 mg/mL (9.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6767 mL	8.3834 mL	16.7667 mL
5 mM	0.3353 mL	1.6767 mL	3.3533 mL
10 mM	0.1677 mL	0.8383 mL	1.6767 mL
50 mM	0.0335 mL	0.1677 mL	0.3353 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

Wu F, et al. Chem Biol Interact. 2009 Oct 7;181(2):236-42.

Non-canonical hepatic androgen receptor mediates glucagon sensitivity in female mice through the PGC1 α /ERR α /mitochondria axis

Busch BB, et al. J Med Chem. 2004 Nov 4;47(23):5593-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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