

LY2452473

Chemical Properties

CAS No. : 1029692-15-6

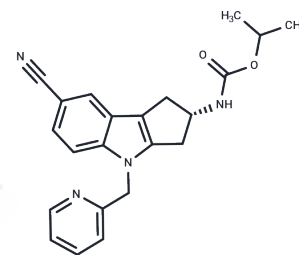
Formula: C₂₂H₂₂N₄O₂

Molecular Weight: 374.44

Store at low temperature

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	LY2452473 (OPK 88004) is an orally available and selective androgen receptor modulator with potential anticancer activity for the study of prostate cancer.
Targets(IC50)	Androgen Receptor
In vivo	<p>METHODS: The disposition and metabolism of LY2452473 in humans was characterized following a single oral dose of 15 mg (100 μCi) of [¹⁴C]LY2452473 in six healthy male subjects.</p> <p>RESULTS: LY2452473 was rapidly absorbed (time to maximum plasma concentrations of LY2452473 and total radioactivity was 2-3 hours) and slowly eliminated (plasma terminal half-life of 27 hours, duration of LY2452473 and total radioactivity of 51 hours). [1]</p>

Solubility Information

Solubility	DMSO: 60 mg/mL (160.24 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	2.6707 mL	13.3533 mL	26.7065 mL
5 mM	0.5341 mL	2.6707 mL	5.3413 mL
10 mM	0.2671 mL	1.3353 mL	2.6707 mL
50 mM	0.0534 mL	0.2671 mL	0.5341 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

Yi P, et al. Disposition and metabolism of LY2452473, a selective androgen receptor modulator, in humans. Drug Metab Dispos. 2012 Dec;40(12):2354-64.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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