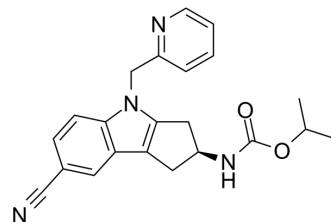


LY2452473

Cat. No.:	HY-114530		
CAS No.:	1029692-15-6		
Molecular Formula:	C ₂₂ H ₂₂ N ₄ O ₂		
Molecular Weight:	374.44		
Target:	Androgen Receptor		
Pathway:	Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (166.92 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.55 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.55 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	LY2452473 is an orally bioavailable, selective androgen receptor modulator (SARM).
IC ₅₀ & Target	Androgen receptor ^[1]
In Vivo	LY2452473 is a selective androgen receptor modulator being developed for the treatment of disorders related to hypogonadism. LY2452473 is absorbed rapidly (time to reach maximum plasma concentration for both LY2452473 and total radioactivity is 2-3 h) and cleared slowly (plasma terminal t _{1/2} of 27 h for LY2452473 and 51 h for the total radioactivity) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- ACS Omega. August 29, 2022.
- J Pharm Biomed Anal. 2020 Dec 28;195:113849.
- Drug Test Anal. 2020 Dec 7.
- Rapid Commun Mass Spectrom. 2023 May 1;e9530.
- Rapid Commun Mass Spectrom. 2023 Feb 9;e9491.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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