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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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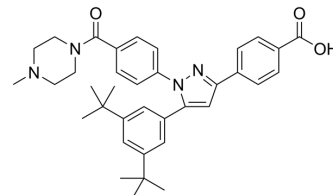
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LY2955303

Cat. No.:	HY-107765
CAS No.:	1433497-19-8
Molecular Formula:	C ₃₆ H ₄₂ N ₄ O ₃
Molecular Weight:	578.74
Target:	RAR/RXR; Autophagy
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; Autophagy
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 : 30 mg/mL (51.84 mM; Need ultrasonic and warming)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.7279 mL	8.6395 mL	17.2789 mL
		5 mM		0.3456 mL	1.7279 mL	3.4558 mL
		10 mM		0.1728 mL	0.8639 mL	1.7279 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 mg/mL (3.46 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2 mg/mL (3.46 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	LY2955303 is a potent and selective retinoic acid receptor gamma (RARγ) antagonist with a K _i of 1.09 nM.
IC ₅₀ & Target	Ki: 1.09 nM (RARγ) ^[1]
In Vitro	LY2955303 is tested and observed that the binding K _i s for RARα, RARβ and RARγ are >1700, >2980 and 1.09 nM, respectively. The functional K _i for RARγ is 7.1±4.9 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	A single oral dose of LY2955303 demonstrates a dose responsive effect whereby the rat reduces differential weight bearing (ED ₅₀ =0.72 mg/kg) ^[1] .

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Res. 2022 Jun;32(6):513-529.
- Mediators Inflamm. 2022 Nov 7;2022:1875736.

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REFERENCES

[1]. Hughes NE, et al. Identification of potent and selective retinoic acid receptor gamma (RAR γ) antagonists for the treatment of osteoarthritis pain using structure based drug design. Bioorg Med Chem Lett. 2016 Jul 15;26(14):3274-3277.

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

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