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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

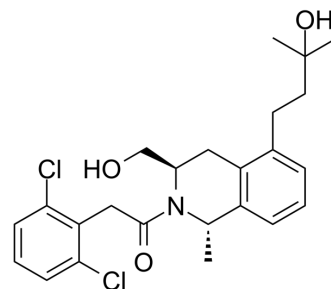
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

LY3154207

Cat. No.:	HY-128770
CAS No.:	1638667-79-4
Molecular Formula:	C ₂₄ H ₂₉ Cl ₂ NO ₃
Molecular Weight:	450.4
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
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 : 110 mg/mL (244.23 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	2.2202 mL	11.1012 mL	22.2025 mL
		5 mM	0.4440 mL	2.2202 mL	4.4405 mL
		10 mM	0.2220 mL	1.1101 mL	2.2202 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.75 mg/mL (6.11 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.75 mg/mL (6.11 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.75 mg/mL (6.11 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	LY3154207 is a potent, subtype selective, and orally available human dopamine D1 receptorpositive allosteric modulator (PAM) with minimal allosteric agonist activity (EC ₅₀ =3 nM) ^[1] .
IC ₅₀ & Target	EC ₅₀ : 3 nM (human dopamine D1 receptor) ^[1]
In Vitro	In HEK293 cells transiently expressing human, dog, rhesus monkey, and mouse D1 receptors, the EC ₅₀ s of LY3154207 are 2.3 nM, 2.0 nM, 2.5 nM, and 62.1 nM, respectively ^[1] .

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

CUSTOMER VALIDATION

- Nat Commun. 2022 Jun 8;13(1):3186.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Hao J, Synthesis and Pharmacological Characterization of 2-(2,6-Dichlorophenyl)-1-((1S,3R)-5-(3-hydroxy-3-methylbutyl)-3-(hydroxymethyl)-1-methyl-3,4-dihydroisoquinolin-2(1H)-yl)ethan-1-one (LY3154207), a Potent, Subtype Selective, and Orally Available Po

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA