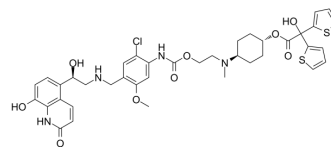


LAS190792

Cat. No.:	HY-148527
CAS No.:	1347232-69-2
Molecular Formula:	C ₃₉ H ₄₃ ClN ₄ O ₉ S ₂
Molecular Weight:	811.36
Target:	Adrenergic Receptor; mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LAS190792 (AZD8999) is a potent muscarinic antagonist and β ₂ -adrenoceptor agonist with pIC ₅₀ 8.9, 8.8, 8.8, 9.2, 8.2, 7.5, 9.1, 5.6 for M ₁ , M ₂ , M ₃ , M ₄ , M ₅ , β ₁ , β ₂ , β ₃ , respectively. LAS190792 can be used as a bronchodilator ^[1] .			
IC₅₀ & Target	β ₁ adrenoceptor 7.5 (pIC ₅₀)	β ₂ adrenoceptor 9.1 (pIC ₅₀)	β ₃ adrenoceptor 5.6 (pIC ₅₀)	mAChR1 8.9 (pIC ₅₀)
	mAChR2 8.8 (pIC ₅₀)	mAChR3 8.8 (pIC ₅₀)	mAChR4 9.2 (pIC ₅₀)	mAChR5 8.2 (pIC ₅₀)

REFERENCES

[1]. Aparici M, et al. Pharmacological preclinical characterization of LAS190792, a novel inhaled bifunctional muscarinic receptor antagonist /β₂-adrenoceptor agonist (MABA) molecule. *Pulm Pharmacol Ther.* 2017 Oct;46:1-10.

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

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