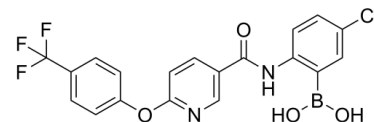


Data Sheet

Product Name:	HSL-IN-1
Cat. No.:	CS-0021612
CAS No.:	2095156-13-9
Molecular Formula:	C ₁₉ H ₁₃ BClF ₃ N ₂ O ₄
Molecular Weight:	436.58
Target:	Lipase
Pathway:	Metabolic Enzyme/Protease
Solubility:	DMSO : 12.5 mg/mL (ultrasonic)



BIOLOGICAL ACTIVITY:

HSL-IN-1 (compound 24b) is a potent and orally active **hormone sensitive lipase (HSL)** inhibitor (**IC₅₀**=2 nM) with a significantly reduced reactive metabolite liability^[1]. **IC₅₀ & Target:**IC₅₀: 2 nM (Hormone sensitive lipase)^[1] **In Vitro:**HSL-IN-1 (1 μM, 30 min) exhibits high metabolic stability in rat liver microsomes^[1]. **In Vivo:**HSL-IN-1 (3 mg/kg, p.o., single dose) exhibits potent antilipolytic effects and good oral bioavailability in male Wistar rats^[1].

References:

[1]. Ogiyama T, et al. Identification of a novel hormone sensitive lipase inhibitor with a reduced potential of reactive metabolites formation. Bioorg Med Chem. 2017 Apr 1;25(7):2234-2243.

CAIndexNames:

Boronic acid, B-[5-chloro-2-[[[6-[4-(trifluoromethyl)phenoxy]-3-pyridinyl]carbonyl]amino]phenyl]-

SMILES:

O=C(NC1=CC(B(O)O)=CC(Cl)=C1)C(C=C2)=CN=C2OC3=CC=C(C(F)(F)F)C=C3

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

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