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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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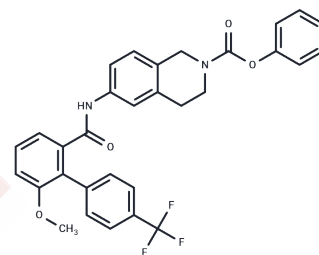
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KD-026

Chemical Properties

CAS No. : 913541-47-6
 Formula: C₃₁H₂₅F₃N₂O₄
 Molecular Weight: 546.54
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	KD-026 (SLx 4090), a microsomal triglyceride transfer protein (MTP) inhibitor (IC ₅₀ = 8.0 nM), is used in type 2 diabetes studies.
Targets(IC ₅₀)	CETP
In vitro	KD-026 shows inhibitory effect against apolipoprotein B (IC ₅₀ = 9.6 nM) but no effect on apolipoprotein A1 secretion in Caco-2 cells[1].
In vivo	In rats, KD-026 (30 mg/kg) reduced postprandial lipids by 50% (ED ₅₀ = 7 mg/kg)[1].

Solubility Information

Solubility	DMSO: 55 mg/ml (100.63 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8297 mL	9.1485 mL	18.2969 mL
5 mM	0.3659 mL	1.8297 mL	3.6594 mL
10 mM	0.183 mL	0.9148 mL	1.8297 mL
50 mM	0.0366 mL	0.183 mL	0.3659 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Enoch Kim, et al. A small-molecule inhibitor of enterocytic microsomal triglyceride transfer protein, SLx-4090: biochemical, pharmacodynamic, pharmacokinetic, and safety profile. J Pharmacol Exp Ther. 2011 Jun;337(3):775-

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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