

DPP-IV-IN-2

Chemical Properties

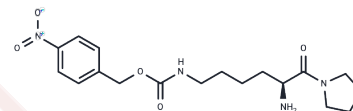
CAS No. : 136259-18-2

Formula: C₁₈H₂₆N₄O₅

Molecular Weight: 378.42

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DPP-IV-IN-2 (H-Lys(4-nitro-Z)-pyrrolidide) is an inhibitor of both DP8/9 and dipeptidyl peptidase IV (IC ₅₀ s: 0.1 and 0.95 μM).
Targets(IC ₅₀)	DPP-4

Solubility Information

Solubility	DMSO: 100 mg/mL (264.26 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6426 mL	13.2128 mL	26.4257 mL
5 mM	0.5285 mL	2.6426 mL	5.2851 mL
10 mM	0.2643 mL	1.3213 mL	2.6426 mL
50 mM	0.0529 mL	0.2643 mL	0.5285 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

Ansorge S, et al. Novel aspects of cellular action of dipeptidyl peptidase IV/CD26. Biol Chem. 2011 Mar;392(3):153-68.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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