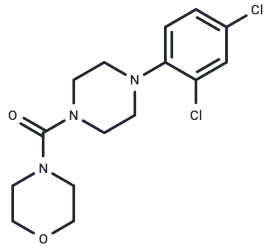
Data Sheet (Cat.No.T26196)

TargetMol

SN34037

Chemical Properties



CAS No. : 1548116-54-6

Formula: C15H19Cl2N3O2

Molecular Weight: 344.24

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	SN34037 is a specific Aldo-keto reductase 1C3 (AKR1C3) inhibitor capable of reducing PR-104A to PR-104H and inhibiting the cytotoxic activity of PR-104A, suitable for studying PR-104A-responsive leukaemia.
Targets(IC50)	Reductase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.905 mL	14.5248 mL	29.0495 mL
5 mM	0.581 mL	2.905 mL	5.8099 mL
10 mM	0.2905 mL	1.4525 mL	2.905 mL
50 mM	0.0581 mL	0.2905 mL	0.581 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mowday AM, et al. Rational design of an AKR1C3-resistant analog of PR-104 for enzyme-prodrug therapy. Biochem Pharmacol. 2016 Sep 15;116:176-87.

Jamieson SM, Gu Y, et al. A novel fluorometric assay for aldo-keto reductase 1C3 predicts metabolic activation of the nitrogen mustard prodrug PR-104A in human leukaemia cells. Biochem Pharmacol. 2014 Mar 1;88(1):36-45.

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