

UK-371804

Chemical Properties

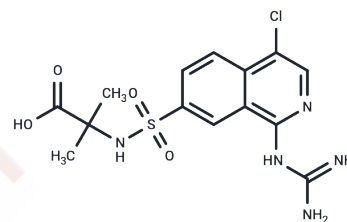
CAS No. : 256477-09-5

Formula: C₁₄H₁₆ClN₅O₄S

Molecular Weight: 385.83

Appearance: no data available

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



Biological Description

Description	UK-371804 is an effective and specific uPA inhibitor. It was selected as a candidate for further preClinicalal evaluation for the treatment of chronic dermal ulcers.
Targets(IC50)	PAI-1,Serine Protease
In vitro	In the acute excision wound model in pigs, topical administration of UK-3718046 penetrates porcine wounds and inhibits exogenous uPA activity without adverse effects on wound-healing parameters.
In vivo	In vitro studies have shown that UK-3718046 is an inhibitor of exogenous uPA in human chronic wound fluid, displaying inhibitory capabilities with an IC50 of 0.89 μM.

Solubility Information

Solubility	DMSO: 8 mg/mL (20.73 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	2.5918 mL	12.9591 mL	25.9182 mL
5 mM	0.5184 mL	2.5918 mL	5.1836 mL
10 mM	0.2592 mL	1.2959 mL	2.5918 mL
50 mM	0.0518 mL	0.2592 mL	0.5184 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

Fish PV, et al. Selective urokinase-type plasminogen activator inhibitors. 4. 1-(7-sulfonamidoisoquinoliny) guanidines. J Med Chem. 2007 May 17;50(10):2341-51.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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