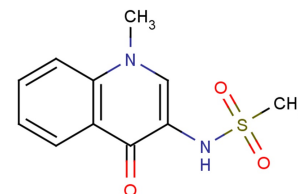


LAS-31180

Chemical Properties

CAS No.:	137338-43-3
Formula:	C ₁₁ H ₁₂ N ₂ O ₃ S
Molecular Weight:	252.29
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	LAS-31180 is a phosphodiesterase 3 inhibitor. It also has positive inotropic and vasodilator properties.
Targets(IC ₅₀)	Others: None
In vitro	In isolated guinea-pig ventricular strips (EC ₅₀ : 1.2 mmol/L) and in isolated guinea-pig working hearts, LAS 31180 displays positive inotropic activities.
In vivo	LAS 31180 administered either by the intravenous or oral route, in conscious chronically instrumented beagle dogs, displays a dose-dependent, long-lasting positive inotropic influence with minimal effects on heart rate. LAS 31180 elicits a potent and long-lasting fall in blood pressure, in hypertensive beagle dogs.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.964 mL	19.818 mL	39.637 mL
5 mM	0.793 mL	3.964 mL	7.927 mL
10 mM	0.396 mL	1.982 mL	3.964 mL
50 mM	0.079 mL	0.396 mL	0.793 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Gras J, et al. Pharmacological profile of LAS 31180, a new inotropic/vasodilator quinolone derivative. *Arzneimittelforschung*. 2000 Nov;50(11):980-6.

Inhibitors · Natural Compounds · Compound Libraries

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