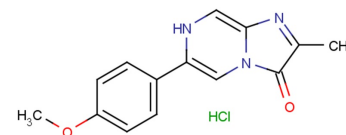


MCLA hydrochloride

Chemical Properties

CAS No.:	128322-44-1
Formula:	C ₁₄ H ₁₄ ClN ₃ O ₂
Molecular Weight:	291.73
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	MCLA hydrochloride, a chemiluminescent compound, can be used to quantify aqueous concentrations of superoxide.
Targets(IC ₅₀)	Others: None
In vitro	The non-specific luminescence remains almost constant for 10 min after the addition of MCLA hydrochloride and is not significantly influenced by SOD. The MCLA method is 4.5-times more sensitive than the CLA method.

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	3.428 mL	17.139 mL	34.278 mL
5 mM	0.686 mL	3.428 mL	6.856 mL
10 mM	0.343 mL	1.714 mL	3.428 mL
50 mM	0.069 mL	0.343 mL	0.686 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. Kimura H, et al. Highly sensitive and reliable chemiluminescence method for the assay of superoxide dismutase in human erythrocytes. FEBS Lett. 1988 Nov 7;239(2):347-50.

Inhibitors · Natural Compounds · Compound Libraries

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