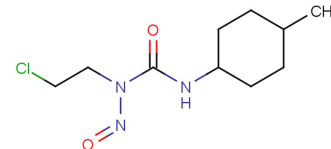


Semustine

Chemical Properties

CAS No.:	13909-09-6
Formula:	C ₁₀ H ₁₈ ClN ₃ O ₂
Molecular Weight:	247.72
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Semustine is a DNA alkylator and acts as a cancer chemotherapeutic compound.
Targets(IC ₅₀)	Others: None

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	4.037 mL	20.184 mL	40.368 mL
5 mM	0.807 mL	4.037 mL	8.074 mL
10 mM	0.404 mL	2.018 mL	4.037 mL
50 mM	0.081 mL	0.404 mL	0.807 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. Agarwal S, et al. Molecular modeling and spectroscopic studies of semustine binding with DNA and its comparison with lomustine-DNA adduct formation. J Biomol Struct Dyn. 2015;33(8):1653-68.

Inhibitors · Natural Compounds · Compound Libraries

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