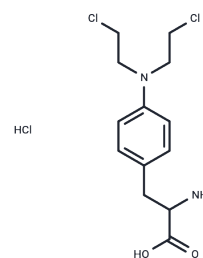


## Sarclysine hydrochloride

## Chemical Properties

CAS No. :	1465-26-5
Formula:	C <sub>13</sub> H <sub>19</sub> Cl <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	341.66
Storage:	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	Sarclysine hydrochloride, also known as Melphalan HCl, is a nitrogen mustard and alkylating agent that has been studied for use in multiple myeloma therapy.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9269 mL	14.6344 mL	29.2689 mL
5 mM	0.5854 mL	2.9269 mL	5.8538 mL
10 mM	0.2927 mL	1.4634 mL	2.9269 mL
50 mM	0.0585 mL	0.2927 mL	0.5854 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

- Esma F, Salvini M, Troia R, Boccadoro M, Larocca A, Pautasso C. Melphalan hydrochloride for the treatment of multiple myeloma. *Expert Opin Pharmacother*. 2017 Aug;18(11):1127-1136. doi: 10.1080/14656566.2017.1349102. Epub 2017 Jul 10. Review. PubMed PMID: 28658983.
- Singh R, Chen J, Miller T, Bergren M, Mallik R. Solution stability of Captisol-stabilized melphalan (Evomela) versus Propylene glycol-based melphalan hydrochloride injection. *Pharm Dev Technol*. 2018 Dec;23(10):1024-1029. doi: 10.1080/10837450.2016.1265557. Epub 2016 Dec 14. PubMed PMID: 27973975.

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