

## Bendamustine hydrochloride

Catalog No: #S0095

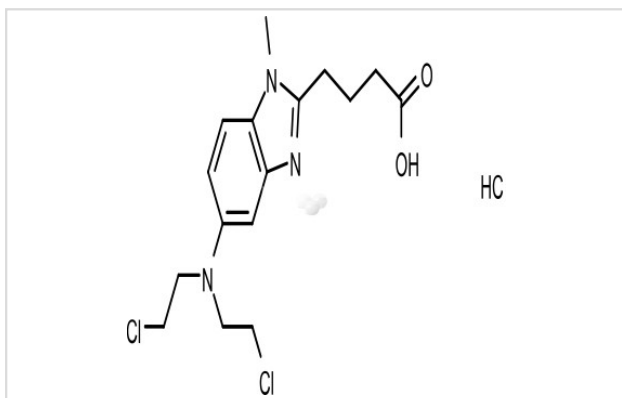
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## Description

Product Name	Bendamustine hydrochloride
Brief Description	Inhibitors
Purification	99.91%
Target Name	DNA/RNA Synthesis inhibitor
Calculated MW	394.72
Formulation	C <sub>16</sub> H <sub>21</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>2</sub> HCl
Storage	3 years -20°C powder; 2 years -80°C in solvent;

## Images



## Product Description

Research Area: Cancer  
 SMILES: Cl.CN1C(CCCC(O)=O)=NC2=C1C=CC(=C2)N(CCCl)CCCl  
 Pathways: DNA Damage/DNA Repair  
 Receptor: DNA synthesis  
 Boiling pt: Melting pt: 149-151°C  
 Solubility: Ethanol: 17 mg/mL (43.06 mM); Water: 2 mg/mL (5.06 mM); DMSO: 78 mg/mL (197.6 mM)  
 Appearance: White Powder  
 Remark: For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several month.

## References

1. Leoni LM, et al. Clin Y Res. 2008, 14(1), 309-317.

Note: This product is for in vitro research use only