

Product Name : Bendamustine hydrochloride

Synonyms : SDX-105

Cat No. : M14207

CAS Number : 3543-75-7

Molecular Formula : C₁₆H₂₁Cl₂N₃O₂·HCl

Formula Weight : 394.72

Chemical Name : —

Description : Bendamustine hydrochloride is an alkylating agent associated with DNA damage with IC₅₀ of 50 µM.

Pathway : Cell Cycle/DNA Damage

Target : DNA/RNA Synthesis

Receptor : DNA synthesis

Solubility : Ethanol: 17 mg/mL (43.06 mM); Water: 2 mg/mL (5.06 mM); DMSO: 78 mg/mL (197.6 mM)

SMILES : Cl.CN1C(CCCC(O)=O)=NC2=C1C=CC(=C2)N(CCCl)CCCl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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

