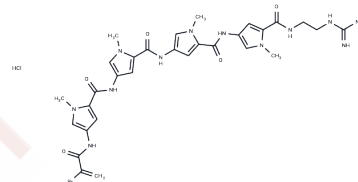


## Brostallicin HCl

## Chemical Properties

CAS No. :	203258-38-2
Formula:	C30H36BrClN12O5
Molecular Weight:	760.04
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	Brostallicin is a synthetic, alpha-bromoacrylic, second-generation minor groove binder (MGB), related to distamycin A, with potential antineoplastic activity. Brostallicin binds to DNA minor groove DNA, after having formed a highly reactive glutathione (GSH)-brostallicin complex in the presence of the enzyme glutathione S-transferase (GST), which is overexpressed in cancer cells; DNA replication and cell division are inhibited, resulting in tumor cell death. Compared to typical MGBs, this agent appears to bind covalently to DNA in a different manner and its activity does not depend on a functional DNA mismatch repair (MMR) mechanism. Accordingly, brostallicin may be effective against MMR-defective tumors that are refractory to various anticancer agents.
Targets(IC50)	Others,DNA Alkylator/Crosslinker

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3157 mL	6.5786 mL	13.1572 mL
5 mM	0.2631 mL	1.3157 mL	2.6314 mL
10 mM	0.1316 mL	0.6579 mL	1.3157 mL
50 mM	0.0263 mL	0.1316 mL	0.2631 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481