

---

**Product Data Sheet**

---

Product Name: BS 181 dihydrochloride

Cat. No.: GC50217

**Chemical Properties**

Cas. No. 1883548-83-1

SMILES CC(C)C1=C2N=C(NCCCCCN)C=C(NCC3=CC=CC=C3)N2N=C1.Cl.ClFormula  $C_{22}H_{32}N_6 \cdot 2HCl$  M.Wt 453.45

Solubility Soluble in DMSO Storage Store at -20°C

General tips 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 months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Selective cdk7 inhibitor (IC<sub>50</sub> = 21 nM). Displays >40-fold selectivity for cdk7 over others cdks. Promotes cell cycle arrest and apoptosis in a range of cancer cells in vitro and inhibits MCF-7 tumor xenograft growth in mice.

Ali et al (2009) The development of a selective cyclin-dependent kinase inhibitor that shows antitumor activity. Cancer Res. 69 6208 PMID:19638587

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA