



## Product Specification Sheet

**Product Name:** BMS-833923

**Catalog Number:** C8339

**Technical information:**

Chemical Formula:  $C_{30}H_{27}N_5O$

CAS #: 1059734-66-5

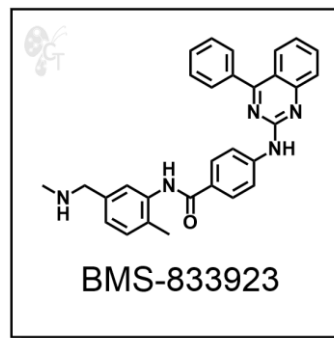
Molecular Weight: 473.57

Purity: > 98%

Appearance: Light Yellow solid

Solubility: Soluble in DMSO up to 200 mM

Chemical Name: N-(2-methyl-5-((methylamino)methyl)phenyl)-4-((4-phenylquinazolin-2-yl)amino)benzamide



**Storage:** For longer shelf life, store solid powder or DMSO solution at -20°C desiccated.

**Shelf Life:** In the unopened package, powder is stable for 1 year and DMSO solution is stable for 6 months under proper storage condition.

**Handling:**

- To make 10 mM stock solution, add 0.211mL of DMSO for each mg of BMS-833923.
- For DMSO solution, briefly spin the vial at 500 rpm in a 50 mL conical tube to ensure maximum sample recovery.

**Biological Activity:** BMS-833923 is an orally bioavailable, potent, and selective antagonist of the HH signaling component Smoothened (SMO). BMS-833923 inhibits the expression of downstream effectors in the hedgehog pathway (GLI1 and PTCH1) in cell lines that express wild-type and activated mutant form SMO. BMS-833923 inhibited the clonogenic growth of multiple tumor cell lines derived from patients with hematological malignancies including chronic myeloid leukemia, acute lymphocytic leukemia and acute myeloid leukemia, suggesting that targeting the hedgehog pathway may have broad therapeutic utility for patients with hematologic malignancies [1]. Phase I clinical studies showed BMS-833923 is well-tolerated as a monotherapy agent or as combined agent with [2]

**Reference:**

1. Gendreau SB, et al. Preclinical characterization of BMS-833923 (XL139), a hedgehog (HH) pathway inhibitor in early clinical development. Mol Cancer Ther 2009; 8(12 Suppl):B192. Pubmed ID: DOI: 10.1158/1535-7163.TARG-09-B192
2. Carol A, et al. A Phase I Study of An Oral Hedgehog Pathway Antagonist, BMS-833923, in Patients with Relapsed or Refractory Multiple Myeloma. Blood (2011) 118 (21): 3993. Pubmed ID: doi.org/10.1182/blood.V118.21.3993.3993

To reorder: <http://www.cellagentech.com/BMS-833923/>

For Technical Support: [technical@cellagentech.com](mailto:technical@cellagentech.com)

*Chemicals are sold for research use only, not for clinical or diagnostic use.*