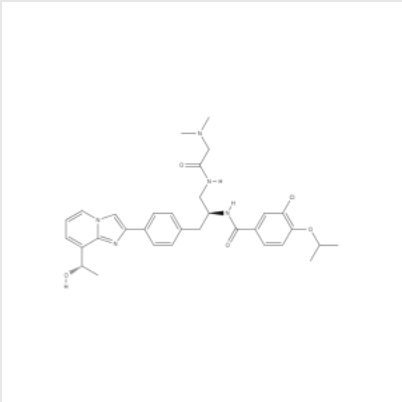
GSK923295

PRODUCT OVERVIEW

Product Name	GSK923295, Biochemical
Full Product Name	GSK923295
Product Gene Name	GSK923295 biochemical
Product Synonym Names	GSK-923295; 3-chloro-N-[(2S)-1-[[2-(dimethylamino)acetyl]amino]-3-[4-[8-[(1S)-1hydroxyethyl]imidazo[1,2-a]pyridin-2-yl]phenyl]propan-2-yl]-4-propan-2-yloxybenzamide
Form/Format	Crystalline solid
Purity/Purification	>=98%
Preparation and Storage	Product should be kept at -20 degree C.
Molecular Weight	592.1
Molecular Formula	C32H38ClN5O4
CAS Number	1088965-37-0
Applications Tested/Suitable for GSK923295 biochemical	Functional Assay (FA)
Related Product Information for GSK923295 biochemical	GSK923295 is a potent and selective mitotic kinesin Centromere protein E (CENP-E) inhibitor, a protein that accumulates in the G2 phase of the cell cycle. It is proposed to be one of the motors responsible for mammalian chromosome movement and spindle elongation. GSK923295 induces mitotic arrest and chromosome alignment failure. It is reported to be a potent inhibitor of tumor cell growth, which is further enhanced when MEK/ERK signaling is also inhibited.
Product References and Citations for GSK923295 biochemical	Chung, V., Heath, E. I., Schelman, W. R., Johnson, B. M., Kirby, L. C., Lynch, K. M.,... & Holen, K. D. (2012). First-time-in-human study of GSK923295, a novel antimitotic inhibitor of centromere-associated protein E (CENP-E), in patients with refractory cancer. Cancer chemotherapy and pharmacology, 69(3), 733-741. Qian, X., McDonald, A., Zhou, H. J., Adams, N. D., Parrish, C. A., Duffy, K. J.,... & Jiang, H. (2010). Discovery of the first potent and selective inhibitor of centromere-associated protein E: GSK923295. ACS medicinal chemistry letters, 1(1), 30-34. Wacker, S. A., & Kapoor, T. M. (2010). Targeting a kinetochore-associated motor protein to kill cancer cells. Proceedings of the National Academy of Sciences, 107(13), 5699-5700.
Other Notes	Small volumes of GSK923295 biochemical vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GSK923295 purchase	MBS696261 is a biochemical targeting GSK923295.



Structure of GSK923295 biochemical

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/biochemical/gsk923295/696261