

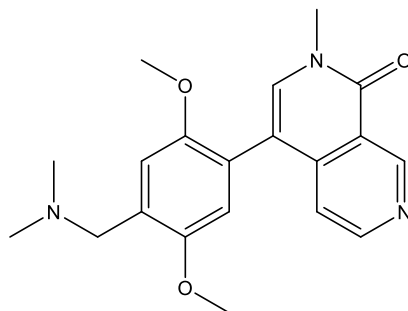
Catalog # 10-4320

BI 9564

CAS# 1883429-22-8

4-[4-[(Dimethylamino)methyl]-2,5-dimethoxyphenyl]-2-methyl-2,7-naphthyridine-1-one

Lot # FBS3029



BI 9564 is a potent, selective, and cell permeable inhibitor of the BRD9 bromodomain, a subunit of the switch/sucrose nonfermentable (SWI/SNF) chromatin remodeling complex ($IC_{50} = 75$ nM).¹ It displayed antitumor activity in an acute myeloid leukemia xenograft model. BI-9564 displayed cytotoxic and anti-proliferative effects in 5 rhabdoid tumor cell lines.²

- 1) Martin *et al.* (2016), *Structure-Based Design of an in Vivo Active Selective BRD9 Inhibitor*, J. Med. Chem., **59** 4462
- 2) Krämer *et al.* (2017), *BRD9 Inhibition, Alone or in Combination with Cytostatic Compounds as a Therapeutic Approach in Rhabdoid Tumors*; Int. J. Mol. Sci., **18** 1537

PHYSICAL DATA

Molecular Weight:	353.42
Molecular Formula:	C ₂₀ H ₂₃ N ₃ O ₃
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (5 mg/ml)
Physical Description:	White solid.
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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