

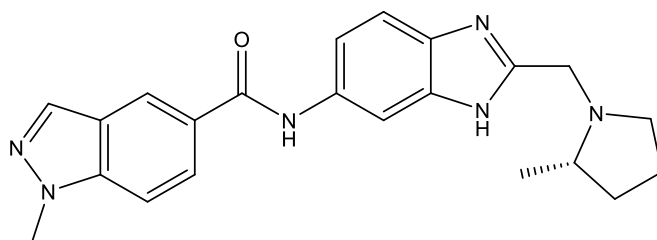
Catalog #10-4046

SGC-iMLLT

2255338-25-9

(S)-1-Methyl-N-(2-((2-methylpyrrolidin-1-yl)methyl)-1H-benzo[d]imidazole-5-yl)-1H-indazole-5-carboxamide

Lot # FBA8132



SGC-iMLLT is a potent ($IC_{50} = 260$ nM) inhibitor of the YEATS domain of MLLT1/3.¹ YEATS domain containing proteins bind acetyl and crotonyl marks on histone tails. Selective against the two other human YEATS domains YEATS2/4 and 48 bromodomains. YEATS containing MLL-ENL leukemic cells display increased sensitivity to SGC-iMLLT versus control AML cells.²

- 1) Moustakim *et al.* (2018) *Discovery of an MLLT1/3 YEATS Domain Chemical Probe*; *Angew. Chem. Int. Eng. Ed.* **57** 16302
- 2) Hu *et al.* (2022) *The ENL YEATS epigenetic reader domain critically links MLL-ENL to leukemic stem cell frequency in t(11;19) Leukemia*; *Leukemia Online* ahead of print

PHYSICAL DATA

Molecular Weight:	388.48
Molecular Formula:	C ₂₂ H ₂₄ N ₆ O
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (at least 50 mg/ml)
Physical Description:	Off-white to beige 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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