

Product Data Sheet

Product Name: SGC-iMLLT

Cat. No.: GC34778

Chemical Properties

Cas. No. 2255338-25-9

SMILES CN1N=CC2=CC(C(NC3=CC=C(NC(CN4[C@@H](C)CCC4)=N5)C5=C3)=O)=CC=C21

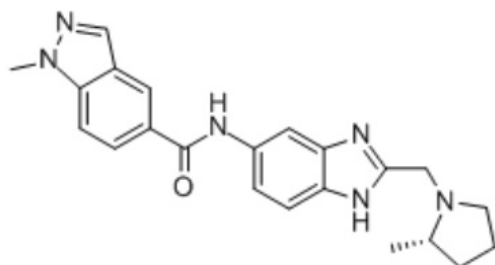
Formula $C_{22}H_{24}N_6O$ M.Wt 388.47

Solubility DMSO : 83.33 mg/mL (214.51 mM); Water : < 0.1 mg/mL (insoluble) 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

SGC-iMLLT is a potent and selective inhibitor of MLLT1/3-histone interactions, occupies the Kac/Kcr binding site of MLLT1 YD (ENL/YEATS1), with high binding activity at MLLT1 YD (IC₅₀, 0.26 μM; K_d, 0.129 μM) and MLLT3 YD (AF9/YEATS3) (K_d, 0.077 μM)[1]. IC₅₀: 0.26 μM (MLLT1 YD)[1] K_d: 0.077 μM (MLLT3 YD), 0.129 μM (MLLT1 YD)[1]

[1]. Moustakim M, et al. Discovery of an MLLT1/3 YEATS Domain Chemical Probe. Angew Chem Int

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

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