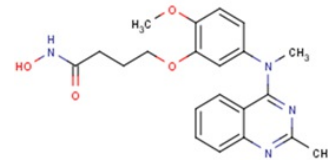


SKLB-23bb

**Chemical Properties**

CAS No.:	1815580-06-3
Formula:	C <sub>21</sub> H <sub>24</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	396.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	SKLB-23bb is an orally bioavailable HDAC6-selective inhibitor and also has microtubule-disrupting ability.
Targets(IC <sub>50</sub> )	HDAC6: 17 nM
In vivo	In vivo efficacy evaluations of colorectal HCT116, acute myelocytic leukemia MV4-11, and B cell lymphoma Romas xenografts, SKLB-23bb more effectively inhibited the tumor growth than SAHA even at a 4-fold reduced dose or ACY-1215 at the same dose. SKLB-23bb is a potent oral anticancer candidate for selective HDAC6 inhibitor.

**Solubility Information**

Solubility	DMSO: 32 mg/mL (80.72 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.522 mL	12.612 mL	25.224 mL
5 mM	0.504 mL	2.522 mL	5.045 mL
10 mM	0.252 mL	1.261 mL	2.522 mL
50 mM	0.05 mL	0.252 mL	0.504 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Yang Z, Wang T, Wang F, et al. Discovery of Selective Histone Deacetylase 6 Inhibitors Using the Quinazolin as the Cap for the Treatment of Cancer[J]. Journal of Medicinal Chemistry, 2015, 59(4):1455-1470.

Inhibitors · Natural Compounds · Compound Libraries

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