


Data Sheet

Product Information

Catalog Number	BP13003
Product Name	AI-10-49
Description	AI-10-49 is a selective inhibitor of the binding of CBF β -SMMHC to RUNX1 with IC50 of 260 nM.
Targets&IC50	CBF β -SMMHC:260 nM
In vitro	AI-10-49 displays specific growth inhibition of inv(16)-positive cell line ME-1. AI-10-49 selectively binds to CBF β -SMMHC, disrupts its binding to RUNX1, and restores RUNX1 transcriptional activity.
In vivo	In mice transplanted with Cbfb+/MYH11;Nras+/G12D leukemic cells, AI-10-49 (200 mg/kg, i.p.) reduces leukemia expansion.
CAS No.	1256094-72-0
Chemical Formula	C30H22F6N6O5
Molecular Weight	660.533
Solubility	Ethanol: 93 mg/mL (140.8 mM) H2O: <1 mg/mL; DMSO: 93 mg/mL (140.8 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

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