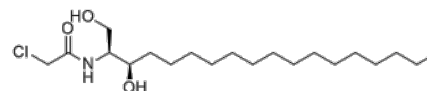


Product Name : SACLAC
Cat. No. : PC-72408
CAS No. : 2248703-42-4
Molecular Formula : C₂₀H₄₀ClNO₃
Molecular Weight : 377.994
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

SACLAC is an α -chloroamide ceramide analog that binds irreversibly to acid ceramidase (**ASAH1**), significantly reduces the viability of AML cells (EC₅₀=3 μ M) across 30 human AML cell lines.

SACLAC induces apoptosis and loss of mitochondrial membrane potential, reduces cell viability and colony formation, reduces expression of SF3B1 and increases pro-apoptotic Mcl-1S.

SACLAC (5 mg/kg SACLAC in 45% w/v 2-hydroxypropyl- β -cyclodextrin in PBS) reduces leukemic burden in NSG mouse models of AML.

References

Jennifer M Pearson, et al. *Mol Cancer Res.* 2020 Mar;18(3):352-363.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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