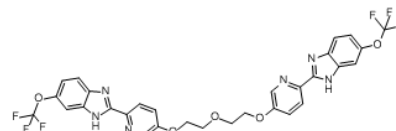


Product Name : AI-10-49
Cat. No. : PC-45078
CAS No. : 1256094-72-0
Molecular Formula : C₃₀H₂₂F₆N₆O₅
Molecular Weight : 660.5233
Target : RUNX1-CBF β
Solubility : DMSO: \geq 34 mg/mL



Biological Activity

AI-10-49 is a potent (FRET IC₅₀=260 nM) **RUNX-CBF β** protein-protein interaction inhibitor that selectively binds to CBF β -SMMHC and disrupts its binding to RUNX1.

AI-10-49 triggers selective cell death in primary inv(16) AML patient blasts.

AI-10-49 restores RUNX1 transcriptional activity, displays favorable pharmacokinetics, and delays leukemia progression in mice.

References

Illendula A, et al. **Science**. 2015 Feb 13;347(6223):779-84.

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

E-mail: tech@probechem.com