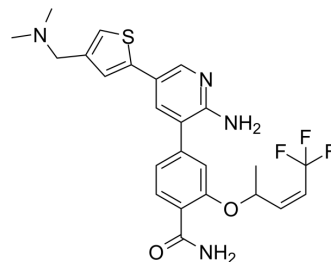


(Rac)-CCT 250863

Cat. No.:	HY-117884
CAS No.:	1364269-06-6
Molecular Formula:	C ₂₄ H ₂₅ F ₃ N ₄ O ₂ S
Molecular Weight:	490.54
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(Rac)-CCT 250863 (compound rac-21) is a selective and reversible NEK 2 inhibitor with an IC ₅₀ of 0.073 μM. (Rac)-CCT 250863 shows good effects of inducing cell cycle arrest and also can antiproliferative in cells (Pomalidomide sensitive/resistant). (Rac)-CCT 250863 induces apoptosis when combines with Pomalidomide ^{[1][2]} .
IC ₅₀ & Target	IC50: 0.073 μM (NEK 2), 8.0 μM (H929), 7.1 μM (AMO1), 8.7 μM (K12PE) ^{[1][2]} .

REFERENCES

[1]. Ahsan A, et al. Methods for treating cancer with combination therapies. WO2021262962A1.

[2]. Innocenti P, et al. Design of potent and selective hybrid inhibitors of the mitotic kinase Nek2: structure-activity relationship, structural biology, and cellular activity. J Med Chem. 2012 Apr 12;55(7):3228-41.

Caution: Product has not been fully validated for medical applications. For research use only.

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