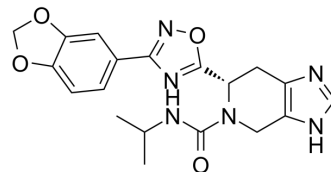


CBK289001

Cat. No.:	HY-124663
CAS No.:	1212663-24-5
Molecular Formula:	C ₁₉ H ₂₀ N ₆ O ₄
Molecular Weight:	396.4
Target:	Protease-Activated Receptor (PAR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CBK289001 is a tartrate-resistant acid phosphatase (TRAP/ACP5) inhibitor. CBK289001 inhibits TRAP 5b ^{MV} , TRAP 5b ^{OX} and TRAP 5a ^{OX} with IC ₅₀ s of 125 μM, 4.21 μM and 14.2 μM, respectively ^[1] .
In Vitro	Only CBK289001 inhibits TRAP3 ^{high} cell migration in a concentration-dependent manner. Significant inhibition of migration appeared from 24 h after treatment and reduced migration velocity over 30 hours is reached with concentrations of either 20 μM or 100 μM ^[1] . CBK289001 inhibits TRAP-dependent migration when treating TRAP-overexpressing MDA-MB-231 breast cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Anja Reithmeier, et al. Identification of inhibitors of Tartrate-resistant acid phosphatase (TRAP/ACP5) activity by small-molecule screening. Chem Biol Drug Des. 2018 Jul;92(1):1255-1271.

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

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