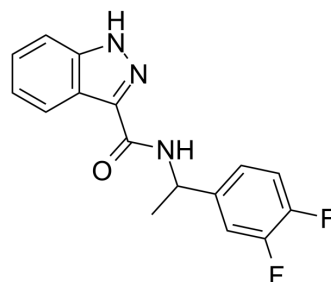


VPC-80051 racemate

Cat. No.:	HY-126076
CAS No.:	877969-69-2
Molecular Formula:	C ₁₆ H ₁₃ F ₂ N ₃ O
Molecular Weight:	301.29
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VPC-80051 racemate is a racemate of VPC-80051. VPC-80051 is a prototype inhibitor of the hnRNP A1 splicing factor ^[1] .
In Vitro	VPC-80051 interacts directly with hnRNP A1 RBD and reduces AR-V7 messenger levels in 22Rv1 CRPC cell line. hnRNP A1 is a multifunctional RNA-binding protein that regulates alternative pre-mRNA splicing, transcription, nucleocytoplasmic shuttling, miRNA processing, and telomere elongation maintenance, as well as translation of cellular transcripts both in physiological and pathological conditions ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Carabet LA, et al. Computer-Aided Discovery of Small Molecules Targeting the RNA Splicing Activity of hnRNP A1 in Castration-Resistant Prostate Cancer. *Molecules*. 2019;24(4):763. Published 2019 Feb 20.

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

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