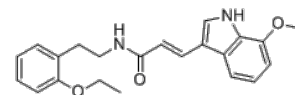


Product Name : JI051
Cat. No. : PC-35091
CAS No. : 2234281-75-3
Molecular Formula : C₂₂H₂₄N₂O₃
Molecular Weight : 364.445
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

JI051 (JI-051) is a specific compound that inhibits the cancer-associated **transcription factor Hes1** via the PHB2 chaperone, blocks Hes1-mediated transcriptional repression.

JI051 inhibits HEK293 cell proliferation with EC₅₀ of 0.3 μM, interacts with prohibitin 2 (PHB2), stabilizes PHB2's interaction with Hes1 outside the nucleus, inducing G₂/M cell cycle arrest.

JI051 dose-dependently reduces cell growth of the human pancreatic cancer cell line MIA PaCa-2.

References

Perron A, et al. *J Biol Chem*. 2018 Mar 9. pii:jbc.RA118.002316.

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

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