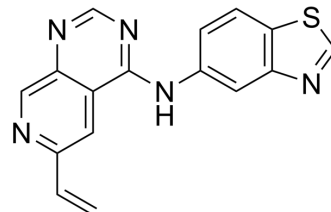


RIPK3-IN-3

Cat. No.:	HY-149393
Molecular Formula:	C ₁₆ H ₁₁ N ₅ S
Molecular Weight:	305.36
Target:	RIP kinase; Mixed Lineage Kinase
Pathway:	Apoptosis; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	RIPK3-IN-3 (compound 20) is a selective inhibitor of RIP kinase RIPK3 (IC ₅₀ =10 nM). RIPK3 mediates the phosphorylation of Mixed Lineage Kinase (MLKL) and causes necroptosis, while RIPK3-IN-3 inhibits p-MLKL oligomerization and thereby inhibits necroptosis. RIPK3-IN-3 also downregulates CXCL5 secretion and inhibits AsPC-1 cell migration and invasion ^[1] .
IC ₅₀ & Target	IC ₅₀ : 10 nM (RIPK3) ^[1]

REFERENCES

- [1]. Namkyoung Kim, et al. Identification of Pyrido[3,4-d]pyrimidine derivatives as RIPK3-Mediated necroptosis inhibitors. Eur J Med Chem. 2023, 259, 115635.
- [2]. Kim N, et al. Identification of Pyrido [3, 4-d] pyrimidine derivatives as RIPK3-Mediated necroptosis inhibitors[J]. European Journal of Medicinal Chemistry, 2023, 259: 115635...

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

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