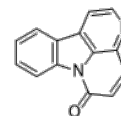


Product Name : ERAP1 inhibitor N1
Cat. No. : PC-25723
CAS No. : 479-43-6
Molecular Formula : C₁₄H₈N₂O
Molecular Weight : 220.23
Target : Aminopeptidase
Solubility : 10 mM in DMSO



Biological Activity

ERAP1 inhibitor N1 is a selective small molecule ERAP1 inhibitor, disrupts its function in Hedgehog (HH) signaling pathway (IC₅₀=46.24 nM).

ERAP1 inhibitor N1 inhibits the ERAP1/USP47 interaction by increasing the stability of βTrCP.

ERAP1 inhibitor N1 inhibits HH-dependent cell growth of cerebellar granule neuron progenitors.

ERAP1 inhibitor N1 suppresses the growth of primary HH-MB cells in vitro.

ERAP1 inhibitor N1 can cross the BBB and inhibits the growth of primary HH-MB in an orthotopic implantation model.

References

Bufalieri F, et al. Mol Ther. 2025 Oct 17:S1525-0016(25)00857-3.

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

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