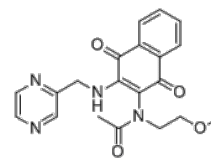


Product Name : aYM155
Cat. No. : PC-20562
CAS No. : 355405-02-6
Molecular Formula : C₂₀H₂₀N₄O₄
Molecular Weight : 380.40
Target : RIP kinase
Solubility : 10 mM in DMSO



CAS: 355405-02-6

Biological Activity

aYM155 is a brain-penetrating prodrug form of YM155 (Cat. PC-42439, potent survivin inhibitor), displays potent cell killing activity against a broad panel of patient-derived GBM cancer stem-like cells (IC₅₀=0.7-10 nM).

aYM155 also displays potent cell killing activity against EGFR-amplified and EGFR variant III-expressing (EGFRvIII) cell lines (IC₅₀ = 3.8-36 nM).

aYM155 exhibits survivin-suppressing and apoptosis-inducing activities of YM155 involve its interaction with receptor-interacting protein kinase 2 (RIPK2).

aYM155 significantly inhibits brain tumor growth in orthotopic intracranial GBM xenograft model.

References

Thomas J. West, et al. Journal of the American Chemical Society, April 5, 2023

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

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