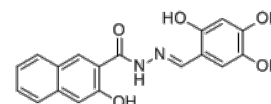


Product Name : Dyngo-4a
Cat. No. : PC-20783
CAS No. : 1256493-34-1
Molecular Formula : C₁₈H₁₄N₂O₅
Molecular Weight : 338.32
Target : Dynamin
Solubility : 10 mM in DMSO



Biological Activity

Dyngo-4a (Hydroxy Dynasore) is a potent Dynasore analog and dynamin inhibitor with IC₅₀ of 0.38 and 2.6 μM for dynamin I and dynamin II, respectively, inhibits endocytosis.

Dyngo-4a (20 μM) prevents SNAP25 cleavage by BoNT/A in cultured hippocampal neurons.

Dyngo-4a provides protection against BoNT/A-induced paralysis in the phrenic nerve-hemidiaphragm twitch model and in vivo.

References

Harper CB, et al. J Biol Chem. 2011 Oct 14;286(41):35966-35976.

Howes M. T., et al. J. Cell Biol. 190, 675–691

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

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