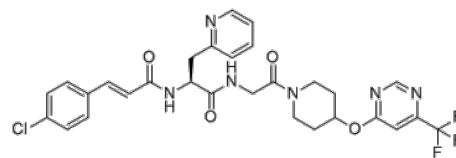


Product Name : ASP9853
Cat. No. : PC-60993
CAS No. : 442198-67-6
Molecular Formula : C₂₉H₂₈ClF₃N₆O₄
Molecular Weight : 617.026
Target : Nitric Oxide Synthase (NOS)
Solubility : 10 mM in DMSO



Biological Activity

ASP9853 is a potent, orally active **iNOS** inhibitor (IC₅₀=10 nM, NO release DLD-1 cells) that prevents dimerization of iNOS, but has no effect on the expression or enzyme activity of iNOS.

ASP9853 reduces NO_x production in plasma from rats exposed to LPS (IC₅₀=1.6 mg/kg), without effect on mean arterial blood pressure.

ASP9853 also shows greater tumor growth inhibition than docetaxel alone against non-small lung cancer xenografts in combination with docetaxel.

References

Luke JJ, et al. *Cancer Chemother Pharmacol.* 2016 Mar;77(3):549-58.

Chida N, et al. *Eur J Pharmacol.* 2005 Feb 10;509(1):71-6.

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

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