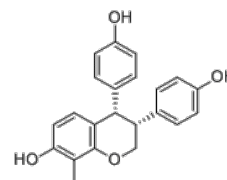


Product Name : ME-344
Cat. No. : PC-60554
CAS No. : 1374524-68-1
Molecular Formula : C₂₂H₂₀O₄
Molecular Weight : 348.40
Target : mTOR
Solubility : 10 mM in DMSO



Biological Activity

ME-344 (NV-344) is a novel **mitochondrial** and **mTOR** inhibitor with potent anti-cancer activity, inhibits leukemia cell lines with IC₅₀ of 70-260 nM, also targets heme oxygenase 1 (**HO-1**) and disrupts redox homeostasis.

ME-344 inhibits oxygen consumption rates, with specific effects on the respiratory chain, causes complex, redox-specific, and mitochondria-targeted effects in lung cancer cells.

ME-344 reduces tumor growth in OCI-AML2 xenograft models.

ME-344 is an active metabolite of NV-128.

References

Jeyaraju DV, et al. *Oncotarget*. 2016 Aug 2;7(31):49777-49785.

Manevich Y, et al. *J Pharmacol Exp Ther*. 2016 Aug;358(2):199-208.

Lim SC, et al. *Am J Cancer Res*. 2015 Jan 15;5(2):689-701.

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

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