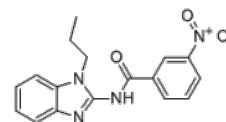


Product Name : HS-243
Cat. No. : PC-73131
CAS No. : 848249-10-5
Molecular Formula : C₁₇H₁₆N₄O₃
Molecular Weight : 324.34
Target : IRAK
Solubility : 10 mM in DMSO



Biological Activity

HS-243 (HS243) is a highly potent, super-selective **IRAK-1/4** inhibitor with IC₅₀ of 24/20 nM, respectively.

HS-243 shows exquisite potency toward IRAK-1/4 over all other human kinases with only minimal TAK1-inhibiting activity (IC₅₀=0.5 μM).

HS-243 binds in the ATP-binding pocket of IRAK-4.

HS-243 potently reduces the proinflammatory response of RA cells and macrophages, has distinct cytokine profile from TAK1.

HS-243 reduces percentage of survival in pancreatic and breast cancer cell lines.

References

Scarneo SA, et al. *J Biol Chem*. 2020 Feb 7;295(6):1565-1574.

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

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