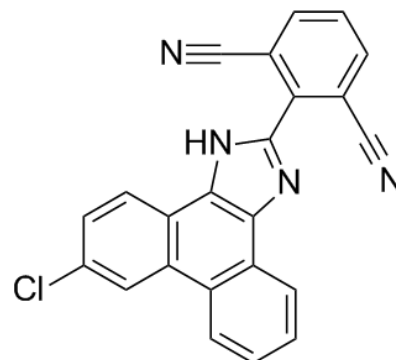


Product Name : MF63
Cat. No. : PC-43462
CAS No. : 892549-43-8
Molecular Formula : C₂₃H₁₁ClN₄
Molecular Weight : 378.81
Target : PGE synthase
Solubility : DMSO: ≥ 43 mg/mL



Biological Activity

MF63 is a potent, selective, and orally active **mPGES-1** inhibitor with IC₅₀ of 1.3 nM for human mPGES-1 enzyme, >1000-fold selectivity over other prostanoid synthases.

MF63 strongly inhibits guinea pig mPGES-1 (IC₅₀= 0.9 nM) but not the mouse or rat enzyme.

MF63 selectively suppresses the synthesis of PGE(2), but not other prostaglandins inhibitable by NSAIDs, yet retains NSAID-like efficacy at inhibiting LPS-induced pyresis, hyperalgesia, and iodoacetate-induced osteoarthritic pain, relieves pyresis and pain in preclinical models of inflammation.

References

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Finetti F, et al. Endocr Relat Cancer. 2015 Aug;22(4):665-78.

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

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