

MF63

Catalog No: tcsc0508



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

892549-43-8

Formula:

$C_{23}H_{11}ClN_4$

Pathway:

Immunology/Inflammation

Target:

PGE synthase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 43 mg/mL (113.51 mM)

Observed Molecular Weight:

378.81

Product Description

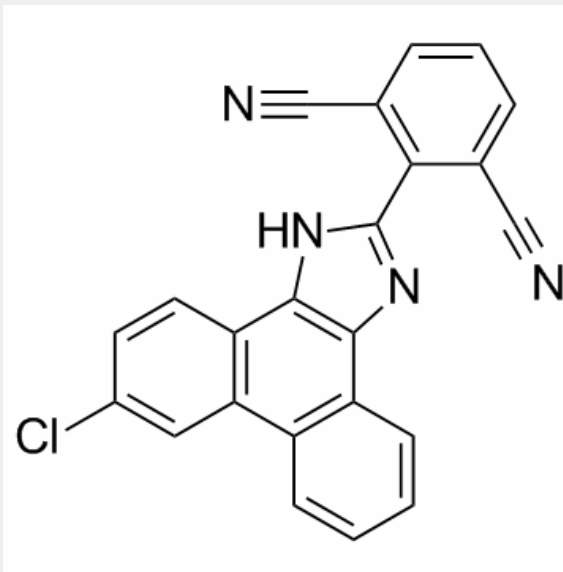
MF63 is a selective mPGES-1 inhibitor with an IC₅₀ of 0.9 nM and 1.3 nM for pig mPGES-1 and human mPGES-1 enzyme,

respectively.

IC50 value: 0.9 nM (pig mPGES-1); 1.3 nM (human mPGES-1)

Target: mPGES-1

MF63 potently inhibited the human mPGES-1 enzyme with a high degree (>1000-fold) of selectivity over other prostanoid synthases. In rodent species, MF63 strongly inhibited guinea pig mPGES-1 but not the mouse or rat enzyme. When tested in the guinea pig and a knock-in (KI) mouse expressing human mPGES-1, the compound selectively suppressed the synthesis of PGE(2), but not other prostaglandins inhibitable by nonsteroidal anti-inflammatory drugs (NSAIDs), yet retained NSAID-like efficacy at inhibiting lipopolysaccharide-induced pyresis, hyperalgesia, and iodoacetate-induced osteoarthritic pain.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!