

TOK-8801

Catalog No: tcsc0018158



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

105963-46-0

Formula:

$C_{17}H_{21}N_3OS$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

315.43

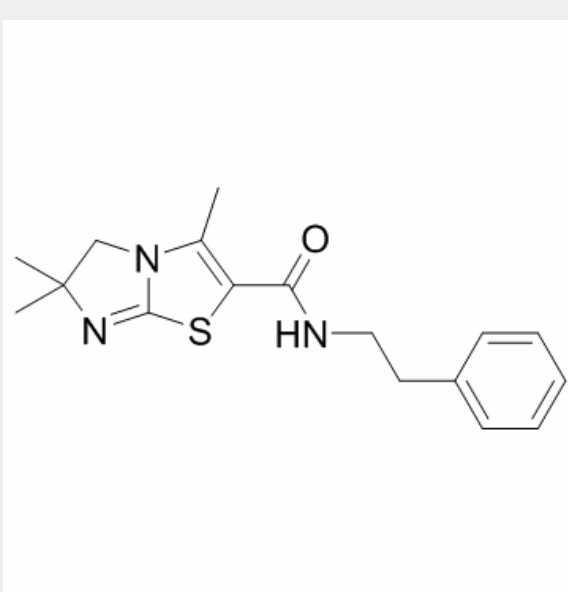
Product Description

TOK-8801 is a synthesized dihydroimidazothiazole carboxamide and is under development as an immunomodulator.

In Vitro: TOK-8801 is a synthesized dihydroimidazothiazole carboxamide and is under development as an immunomodulator. TOK-

8801 augments the *in vitro* anti-SRBC PFC response of murine splenocytes in a bell-shaped manner. The stimulatory effect of TOK-8801 is observed at concentrations of 2.5×10^{-7} to 2.5×10^{-5} M and is diminished at 10^{-4} M. The cell-viability is not altered during the culture with TOK-8801 at any doses used in this experiment (10^{-7} to 10^{-4} M). TOK-8801 enhances the ^3H -TdR uptake of these responses in a bell-shaped manner, and effective concentrations of TOK-8801 are 10^{-7} to 10^{-5} M^[1].

In Vivo: The anti-SRBC PFC response per spleen, which is prominently lowered by restraint-stress (P[1]. When TOK-8801 is administered orally at doses of 0.1 to 10 mg/kg, the number of plaque forming cell (PFC) significantly decreases or tends to decrease. Treatment of TOK-8801 at doses of 0.1 to 1 mg/kg causes significant suppression in the delayed-type hypersensitivity (DTH) reaction induced in high responder^[2].



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