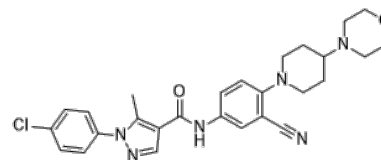


Product Name : STING inhibitor Y-320
Cat. No. : PC-26652
CAS No. : 288250-47-5
Molecular Formula : C₂₇H₂₉ClN₆O₂
Molecular Weight : 505.02
Target : STING
Solubility : 10 mM in DMSO



Biological Activity

Y-320 is a specific, allosteric small-molecule STING inhibitor, inhibits IL-17 production by CD4 T cells stimulated with IL-15 with IC₅₀ of 20-60 nM, blocks STING Golgi translocation and downstream signaling.

Y-320 allosterically targets the non-canonical transmembrane domain (TMD) pocket without competing with the endogenous agonist 2'3'-cGAMP by engaging residues Y46 and W119 in the transmembrane helices 2 and 4.

Y-320 enhances TP53, DMD, and COL17A1 PTC readthrough by G418 and increases cellular protein levels and protein synthesis.

Y-320 dose-dependently ameliorates cisplatin-induced acute kidney injury in mice.

References

Chen Q, et al. Cell Chem Biol. 2026 Apr 27:S2451-9456(26)00110-8.

Ushio H, et, al. Pharmaceuticals (Basel). 2013 Dec 23;7(1):1-17.

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

E-mail: tech@probechem.com