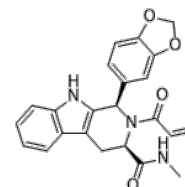


Product Name : MY-9B
Cat. No. : PC-49271
CAS No. : 3020765-60-7
Molecular Formula : C₂₃H₂₁N₃O₄
Molecular Weight : 403.438
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 3020765-60-7

Biological Activity

MY-9B is a selective, allosteric and covalent inhibitor of sterile alpha toll/interleukin receptor motif containing-1 (**SARM1**) with IC₅₀ of 1.2 μ M, site-specifically and stereoselectively modify cysteine-311 (C311) in the noncatalytic, autoregulatory armadillo repeat (ARM) domain of SARM1.

MY-9B inhibits the NADase activity of WT-SARM1, but not C311A or C311S SARM1 mutants, show a high degree of proteome-wide selectivity for SARM1 C311.

MY-9B (10-20 μ M) stereoselectively blocks vincristine- and vactor-induced neurite degeneration in primary rodent dorsal root ganglion neurons.

References

Hannah C Feldman, et al. *Proc Natl Acad Sci U S A*. 2022 Aug 30;119(35):e2208457119.

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

E-mail: tech@probechem.com