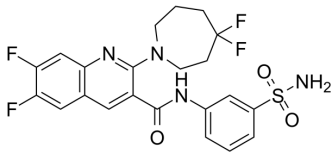
Nav1.8-IN-9

Cat. No.:	HY-160590
CAS No.:	2966089-14-3
Molecular Formula:	$C_{22}H_{20}F_4N_4O_3S$
Molecular Weight:	496.48
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Nav1.8-IN-9 (Example 16) is an orally active, potent Nav1.8 inhibitor with an IC_{50} of 0.084 nM. Nav1.8-IN-9 has the potential for widespread pain research[1].
IC_{50} & Target	Nav1.8 0.084 nM (IC_{50})
In Vivo	Nav1.8-IN-9 (Example 16; 30 mg/kg; a single oral administration) can inhibit mechanical hypersensitivity induced by postoperative pain models in rats for 1 hour, 2 hours, and 4 hours[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ting Liu, et al. Aromatic paracyclic Nav1.8 inhibitors and their applications. CN116462662A.

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