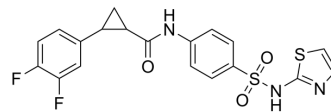


## Nav1.3 channel inhibitor 1

Cat. No.:	HY-155058
Molecular Formula:	C <sub>19</sub> H <sub>15</sub> F <sub>2</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	435.47
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	Nav1.3 channel inhibitor 1 (compound 15b) is a state-dependent voltage-gated sodium channel Na <sub>v</sub> 1.3 inhibitor (IC <sub>50</sub> =20 nM). Nav1.3 channel inhibitor 1 can penetrate the blood-brain barrier and can be used in the research of nervous system diseases <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 20 nM (Nav1.3) <sup>[1]</sup> .

### REFERENCES

[1]. Zidar N, et al. New aryl and acylsulfonamides as state-dependent inhibitors of Nav1.3 voltage-gated sodium channel. Eur J Med Chem. 2023 Oct 5;258:115530.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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