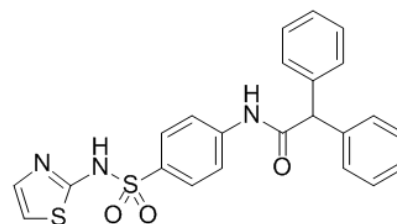


Product Name : ICA-121431
Cat. No. : PC-45079
CAS No. : 313254-51-2
Molecular Formula : C₂₃H₁₉N₃O₃S₂
Molecular Weight : 449.5453
Target : Sodium Channel
Solubility : DMSO: ≥ 44 mg/mL



Biological Activity

ICA-121431 is a potent, selective small molecule human **Nav1.3/Nav1.1** channel inhibitor with IC₅₀ of 19 nM. ICA-121431 exhibits up to 1,000-fold selectivity over other TTX-sensitive or resistant (i.e., Nav1.5) sodium channels. ICA-121431 also shows an intermediate sensitivity (IC₅₀=240 nM) for Nav1.2.

References

- McCormack K, et al. *Proc Natl Acad Sci U S A*. 2013 Jul 16;110(29):E2724-32.
Osteen JD, et al. *Proc Natl Acad Sci U S A*. 2017 Jun 27;114(26):6836-6841.

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

E-mail: tech@probechem.com