

ICA-121431, Nav1.1/1.3 inhibitor (selective)

Catalog	Unit
TBI4085-5MG	5 mg
TBI4085-25MG	25 mg

Product Details

Formal Name: 2,2-Diphenyl-N-[4-(1,3-thiazol-2-ylsulfamoyl)phenyl]acetamide

Molecular Formula: C₂₃H₁₉N₃O₃S₂

Formula Weight: 449.54

CAS Number: 313254-51-2

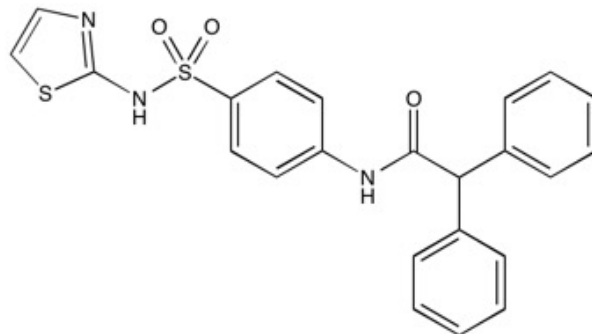
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Nav1.1/1.3 inhibitor (selective)

Functions

selective Nav1.1/1.3 inhibitor (hIC₅₀s = 23 and 13 nM respectively; also selective for dog, monkey, and mouse, but not rat). It exclusively shifts voltage dependence to more negative voltages and accelerates entry into slow activation.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.