

Nav1.8-IN-16

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>16</sub>ClF<sub>5</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Nav1.8-IN-16 (Compound (R)-40) is an orally bioavailable and selective hNav 1.8 inhibitor with an IC <sub>50</sub> of 5.9 nM. It provides analgesic effects by blocking the NaV1.8 channel without significantly affecting other NaV subtypes or the hERG channel. Nav1.8-IN-16 demonstrates dose-dependent pain relief in postoperative and inflammatory pain models and is suitable for pain-related research.
Targets(IC <sub>50</sub> )	Sodium Channel

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