

Certificate of Analysis

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Product Name: NAV 26

Catalog No.: 4691

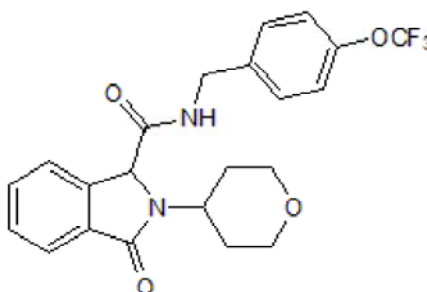
Batch No.: 1

CAS Number: 1198160-14-3

IUPAC Name: 2,3-Dihydro-3-oxo-2-(tetrahydro-2H-pyran-4-yl)-N-[[4-(trifluoromethoxy)phenyl]methyl]-1H-indole-1-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₁F₃N₂O₄
Batch Molecular Weight: 434.41
Physical Appearance: Pale yellow solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.16 (Ethyl acetate:Petroleum ether [1:1])
HPLC: Shows 99.1% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 60.83 | 4.87 | 6.45 |
| Found | 60.9 | 4.81 | 6.48 |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

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Catalog No.: 4691

Batch No.: 1

CAS Number: 1198160-14-3

IUPAC Name: 2,3-Dihydro-3-oxo-2-(tetrahydro-2H-pyran-4-yl)-N-[[4-(trifluoromethoxy)phenyl]methyl]-1H-isindole-1-carboxamide

Description:

Selective Na_v1.7 channel blocker (IC₅₀ = 370 nM). Exhibits >85-fold selectivity for Na_v1.7 over Na_v1.5 and hERG channels. Reduces nociceptive behavior in rat models of pain.

Physical and Chemical Properties:

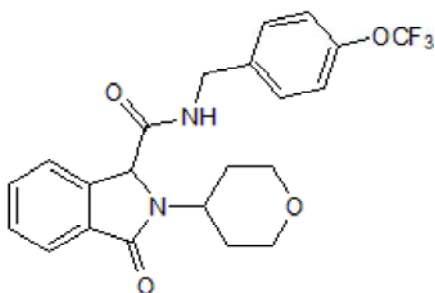
Batch Molecular Formula: C₂₂H₂₁F₃N₂O₄

Batch Molecular Weight: 434.41

Physical Appearance: Pale yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Macsari et al (2012) 3-Oxoisindoline-1-carboxamides: potent, state-dependent blockers of voltage-gated sodium channel Na(V)1.7 with efficacy in rat pain models. *J. Med. Chem.* **55** 6866. PMID: 22770500.

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