

Product Name: ARN 11391

Catalog No.: 7909

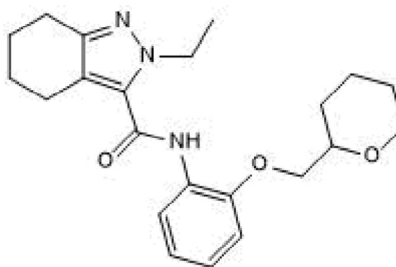
Batch No.: 1

CAS Number: 1214569-31-9

IUPAC Name: 2-Ethyl-4,5,6,7-tetrahydro-*N*-[2-[(tetrahydro-2*H*-pyran-2-yl)methoxy]phenyl]-2*H*-indazole-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₉N₃O₃
Batch Molecular Weight: 383.49
Physical Appearance: Light pink solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.9	7.62	10.96
Found	68.57	7.68	10.96

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

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Description:

ARN 11391 is a potentiator of the IP₃-gated calcium channel ITPR1 (Inositol 1,4,5-trisphosphate (IP₃) receptor type 1). It amplifies intracellular calcium ion signaling by acting directly on ITPR1. ARN 11391 also potentiates calcium signaling in cells expressing mutant ITPR1 which is associated with SCA29, a form of spinocerebellar ataxia.

Physical and Chemical Properties:

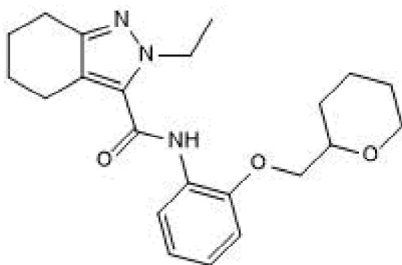
Batch Molecular Formula: C₂₂H₂₉N₃O₃

Batch Molecular Weight: 383.49

Physical Appearance: Light pink solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 100 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Genovese et al (2022) Pharmacological potentiators of the calcium signaling cascade identified by high-throughput screening. *PNAS Nexus* 2 pgac288. PMID: 36712939.

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