Product Name: Rufinamide
CAS Number: 106308-44-5
IUPAC Name: 1-{[2,6-Difluorophenyl)methyl]-1H-1,2,3-triazole-4-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{10}H_{8}F_{2}N_{4}O \)
Batch Molecular Weight: 238.19
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 5 mM with gentle warming
Storage: Desiccate at RT

2. ANALYTICAL DATA

Melting Point: Between 234 - 237°C
HPLC: Shows 99.8% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

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<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Tel:+1 612 379 2956
Product Name: Rufinamide
Catalog No.: 3828    Batch No.: 1
CAS Number: 106308-44-5
IUPAC Name: 1-[(2,6-Difluorophenyl)methyl]-1H-1,2,3-triazole-4-carboxamide

Description:
Board spectrum anticonvulsant. Prolongs the inactivation of sodium channels and limits the frequency of action potential firing in cultured and acutely isolated neurons. Displays anticonvulsive activity in a range of animal seizure models.

Physical and Chemical Properties:
Batch Molecular Formula: C_{10}H_{10}F_{2}N_{4}O
Batch Molecular Weight: 238.19
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Desiccate at RT

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 5 mM with gentle warming

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: