

Certificate of Analysis

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Product Name: ASP 7663

Catalog No.: 5178

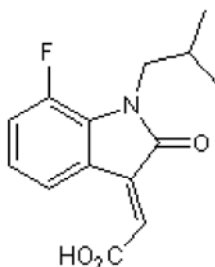
Batch No.: 3

CAS Number: 1190217-35-6

IUPAC Name: (2E)-2-[7-Fluoro-1,2-dihydro-1-(2-methylpropyl)-2-oxo-3H-indol-3-ylidene]acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₄FNO₃
Batch Molecular Weight: 263.26
Physical Appearance: Orange solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 63.87 | 5.36 | 5.32 |
| Found | 63.63 | 5.38 | 5.3 |

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

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Description:

Selective TRPA1 activator (EC₅₀ values are ~0.5 μM in human, mouse and rat). Displays little or no affinity at more than 60 other related receptors, channels and enzymes. Stimulates 5-HT release from QGP-1 cells. Exhibits an abdominal analgesic effect in vivo. Orally bioavailable.

Physical and Chemical Properties:

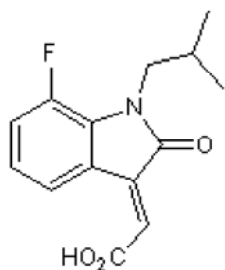
Batch Molecular Formula: C₁₄H₁₄FNO₃

Batch Molecular Weight: 263.26

Physical Appearance: Orange solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Kojima et al (2014) Effects of novel TRPA1 receptor agonist ASP7663 in models of drug-induced constipation and visceral pain. *Eur.J.Pharmacol.* **723** 288. PMID: 24291101.

Storage: Store at +4°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

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. 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.

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