

INSTRUCTION FOR USE

DNI-N-methyl-D-aspartate trifluoro acetate

(R)-4-(4-methoxy-5,7-dinitroindolin-1-yl)-2-(methylamino)-4-oxobutanoic acid trifluoro acetate

Product code: DNI-NMDA*TFA

Standard packaging size: **6 mg**

DNI-N-methyl-D-aspartate trifluoro acetate is a water-soluble substance, stable at neutral pH, and pharmacologically inactive at neuronal glutamate receptors (up to mM concentrations).

Rapidly and efficiently releases NMDA (N-methyl-D-Asp) neurotransmitter (selective NMDAR agonist), by the effect of one (360 nm) or two photon (720 nm) irradiation.

Exists as trifluoroacetic acid salted form, ensuring good solubility, stability and low hygroscopicity of the product.

SOLUBILITY & USAGE INFORMATION:

CAUTION – This product is light sensitive, and we recommend that the solid material and any solutions obtained are protected from light. Soluble in water up to 50 mM, Phosphate buffered saline to 80 mM, Ethanol to 0.1 M

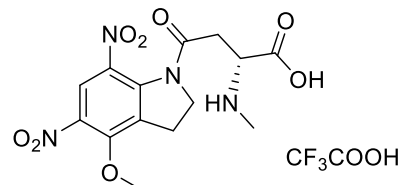
PHYSICAL AND CHEMICAL PROPERTIES:

Batch Molecular Formula: C₁₆H₁₇F₃N₄O₁₀

Batch Molecular Weight: 482.32

Appearance: light brown powder

Batch Molecular Structure:



HANDLING PRECAUTIONS

Please refer to the safety data sheet. Use in a chemical fume hood, with air supplied by an independent system. Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Avoid contact with skin and eyes, wash hands after use. Avoid prolonged or repeated exposure.

STABILITY AND SOLUBILITY ADVICE:

Sonication or gentle warming (45-60 °C) accelerates dissolution

We can only offer a general guide as information on product stability, especially in solution, has sporadically been reported. Our general recommendations are:

SOLID: For extended periods of time store in tightly sealed vials, under dry conditions at -20°C-0°C. The product can be stored for up to 6 months from the date of manufacture.

SOLUTION: We recommend that stock solutions, once prepared, are stored frozen in tightly sealed vials at -20°C or below and used within 1 month. Whenever possible solutions should be prepared and used immediately.

STORAGE AND DISPOSAL

Store in the original closed container. Avoid direct light.

Classification of product waste is dependent on the conditions of application. Disposal must be in compliance with national and local regulations.

CONTACTS

MANUFACTURER

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DISTRIBUTOR

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IFU DNI-N-methyl-D-aspartate trifluoro acetate

**CAUTION — NOT FULLY TESTED. FOR RESEARCH USE ONLY.
NOT FOR HUMAN USE**

Due to the nature of this material. It must only be handled by suitably qualified experienced scientists in appropriately equipped and authorised facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazards exist.