

Product Name: Emricasan

Catalog No.: 7310

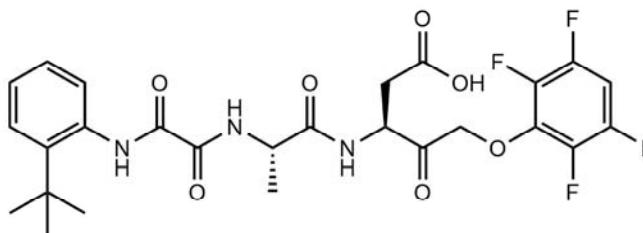
Batch No.: 1

CAS Number: 254750-02-2

IUPAC Name: *N*-[2-(1,1-Dimethylethyl)phenyl]-2-oxoglycyl-*N*-[(1*S*)-1-(carboxymethyl)-2-oxo-3-(2,3,5,6-tetrafluorophenoxy)propyl]-*L*-alaninamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₂₇F₄N₃O₇.
Batch Molecular Weight: 569.51
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at -20°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	54.83	4.78	7.38
Found	54.84	4.81	7.38

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

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Description:

Emericasan is a potent caspase inhibitor (IC₅₀ values are 0.3, 0.4, 2, 4, 6, 6 and 20 nM for caspase-9, -1, -3, -6, -7, -8, and -2, respectively). Emericasan preserves cell viability after infection with several strains of Zika. Emericasan promotes survival of pluripotent stem cells in culture when used in combination with Chroman-1 (Cat. No. 7163), trans-ISRIB (Cat. No. 5284) and polyamines, a combination known as CEPT. When used as part of the CEPT cocktail, Emericasan improves survival of differentiated cells following cryopreservation. The compound also reduces hepatic inflammation in an animal model of liver injury. Orally bioavailable. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

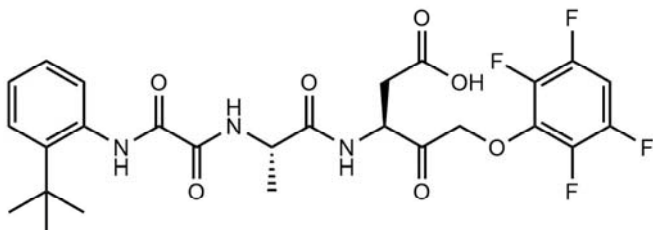
Batch Molecular Formula: C₂₆H₂₇F₄N₃O₇.

Batch Molecular Weight: 569.51

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Chen et al (2021) A versatile polypharmacology platform promotes cytoprotection and viability of human pluripotent and differentiated cells. *Nat.Methods* **18** 528. PMID: 33941937.

Canbay et al (2004) The caspase inhibitor IDN-6556 attenuates hepatic injury and fibrosis in the bile duct ligated mouse. *J.Pharmacol.Exp.Ther.* **308** 1191. PMID: 14617689.

Storage: Store at -20°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.

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