

Product Name: EM 12-FS

Catalog No.: 7851

Batch No.: 1

CAS Number: 2839138-44-0

IUPAC Name: 3-[6-[(Fluorosulfonyl)oxy]-1,3-dihydro-1-oxo-2*H*-isoindol-2-yl]-2,6-piperidinedione

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₃H₁₁FN₂O₆S.

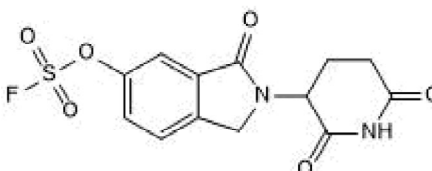
Batch Molecular Weight: 342.3

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 95.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	45.62	3.24	8.18
Found	45.37	2.93	7.96

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Name: EM 12-FS

Catalog No.: 7851

1

CAS Number: 2839138-44-0

IUPAC Name: 3-[6-[(Fluorosulfonyl)oxy]-1,3-dihydro-1-oxo-2*H*-isoindol-2-yl]-2,6-piperidinedione

Description:

EM12-FS is a selective N-terminal glutamine amidohydrolase 1 (NTAQ1) Degrader. In MOLT4 cells, it downregulates NTAQ1 via cereblon-mediated degradation (IC₅₀ = 256 nM). Requires covalent His353 engagement to recruit and degrade NTAQ1.

Physical and Chemical Properties:

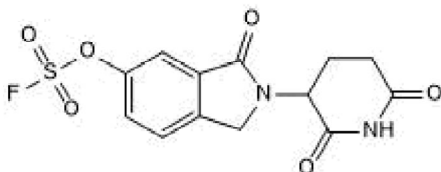
Batch Molecular Formula: C₁₃H₁₁FN₂O₆S.

Batch Molecular Weight: 342.3

Physical Appearance: Off White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO 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:

Cruite et al (2022) Cereblon covalent modulation through structure-based design of histidine targeting chemical probes. *RSC Chem.Biol.* **3** 1105. PMID: 36128501.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956