

Product Name: FC 11

Catalog No.: 7306

Batch No.: 1

CAS Number: 2271035-37-9

IUPAC Name: 1-[2-[2-[2-[[2-(2,6-Dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]ethoxy]ethoxy]ethyl]-*N*-[4-[[[2-[methyl(methylsulfonyl)amino]-3-pyridinyl]methyl]amino]-5-(trifluoromethyl)-2-pyrimidinyl]amino]phenyl]-1*H*-1,2,3-triazole-4-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₁H₄₂F₃N₁₃O₉S·¾H₂O

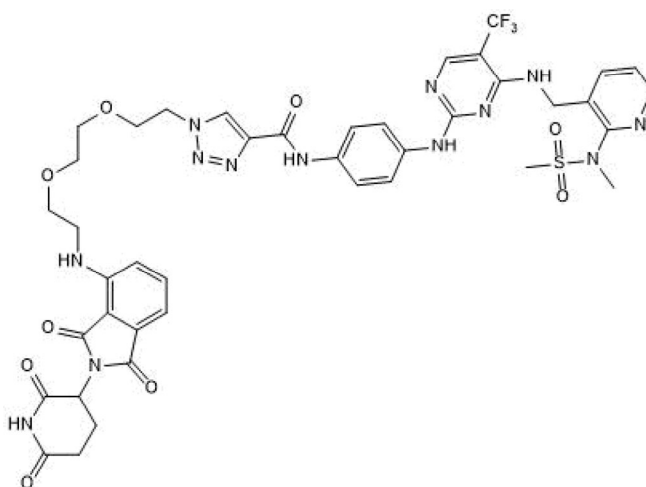
Batch Molecular Weight: 963.43

Physical Appearance: Yellow solid

Solubility: DMSO to 100 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	51.11	4.55	18.9
Found	50.73	4.5	18.67

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Description:

FC 11 is a highly potent focal adhesion kinase (FAK) PROTAC[®] Degradar (DC₅₀ values are 40 to 370 pM depending on cell line), which is composed of the FAK inhibitor PF 562217 joined by a linker to the cereblon-binding ligand Pomalidomide (Cat. No. 6302). The effects of FC 11 are reversible upon compound wash out. FC 11 also degrades autophosphorylated FAK (pFAK^{tyr397}), displaying near complete degradation after 3 hours at 100 nM in TM3 cells. FAK antibodies validated for Simple Western[™] (automated Western) instruments and Western Blot also available: Catalog # AF4467 and MAB4467. PROTAC[®] is a registered trademark of Arvinas Op... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

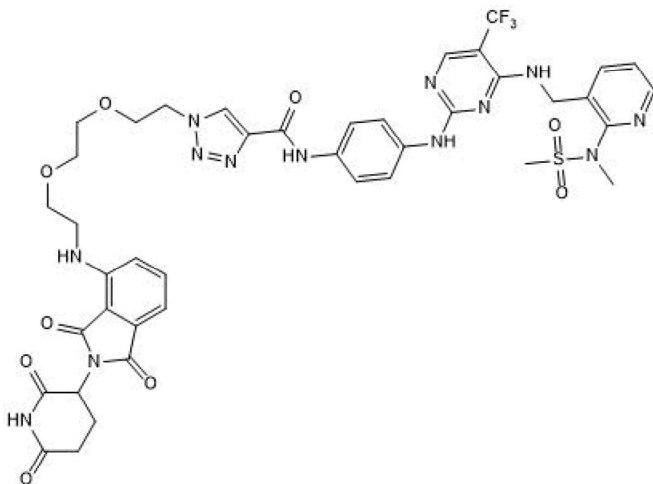
Batch Molecular Formula: C₄₁H₄₂F₃N₁₃O₉S.¾H₂O

Batch Molecular Weight: 963.43

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

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:

Gao *et al* (2019) Design, synthesis, and evaluation of highly potent FAK-targeting PROTACs. ACS.Med.Chem.Lett. **11** 1855. PMID: 33062164.

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