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TOCRIS

Print Date: Feb 25th 2026

Certificate of Analysis

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Product Name: **dTAG-13** **Catalog No.: 6605** **Batch No.: 7**

CAS Number: 2064175-41-1

IUPAC Name: 1-[(2*S*)-1-Oxo-2-(3,4,5-trimethoxyphenyl)butyl]-(2*S*)-2-piperidinecarboxylate (1*R*)-3-(3,4-dimethoxyphenyl)-1-[2-[2-[[6-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]oxy]hexyl]amino]-2-oxoethoxy]phenyl]propyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{57}H_{68}N_4O_{15}$

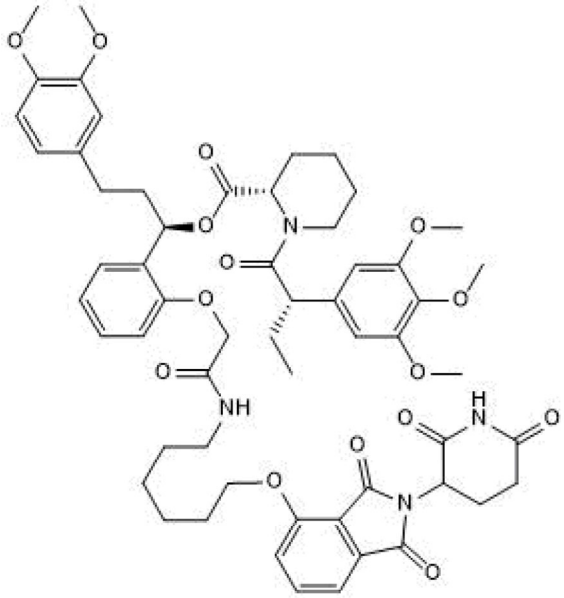
Batch Molecular Weight: 1049.18

Physical Appearance: White solid

Solubility: DMSO to 50 mM
ethanol to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.25	6.53	5.34
Found	64.88	6.43	5.42

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

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Description:

dTAG-13 is a degrader targeting mutant FKBP12^{F36V} fusion proteins. Comprises a ligand selective for F36V single-point mutated FKBP12, a linker and a cereblon-binding ligand. Application of dTAG-13 induces rapid, reversible and selective degradation of FKBP12^{F36V} fusion proteins in vitro and in vivo. dTAG is generalizable to a range of fusion proteins; useful as an alternative to genetic methods for target validation. Negative control (Cat. No. 6916) also available. FKBP12^{F36V} can be expressed as a fusion with a target protein of interest using genome engineering techniques, via transgene expression or CRISPR-mediated locus-specific kno... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

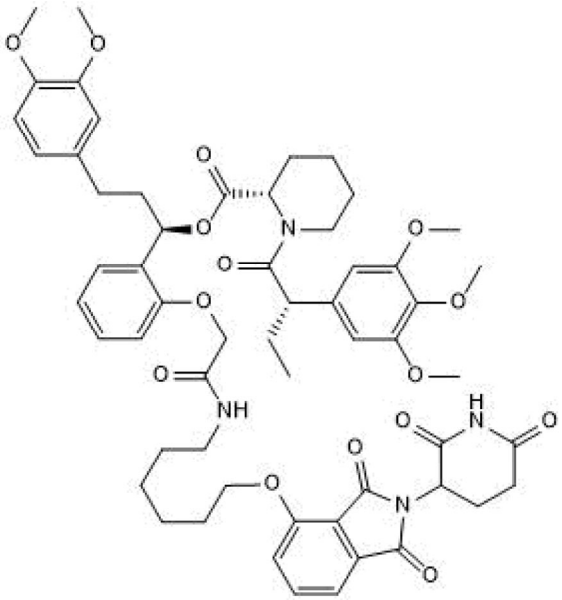
Batch Molecular Formula: $C_{57}H_{68}N_4O_{15}$

Batch Molecular Weight: 1049.18

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 mM
ethanol to 20 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.

Other Information:

The HPLC purity includes a tolerance for up to 3% of a minor diastereomer

Licensing Information:

Sold under license from Dana-Farber Cancer Institute

References:

Abuhashem *et al* (2022) Generation of knock-in degron tags for endogenous proteins in mice using the dTAG system. STAR Protoc. ***3*** 101660. PMID: 36097386.

Bensimon *et al* (2020) Targeted degradation of SLC transporters reveals amenability of multi-pass transmembrane proteins to ligand-induced proteolysis. Cell Chem Biol. ***27*** 728. PMID: 32386596.

Nabet *et al* (2018) The dTAG system for immediate and target-specific protein degradation. Nat Chem Biol. ***14*** 431. PMID: 29581585.

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

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Tel:+1 612 379 2956