

Product Name: CST 905

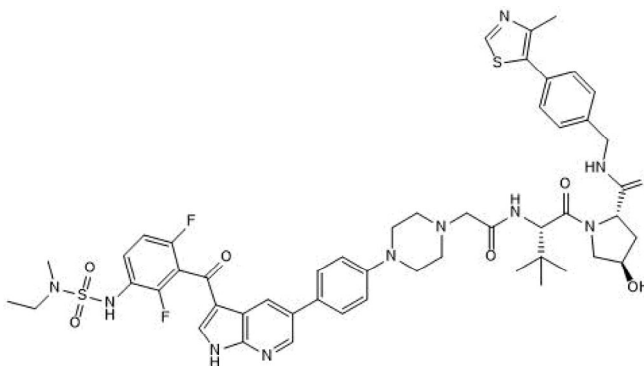
Catalog No.: 7745

Batch No.: 1

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(2-(4-(4-(3-(3-((*N*-Ethyl-*N*-methylsulfamoyl)amino)-2,6-difluorobenzoyl)-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl)phenyl)piperazin-1-yl)acetamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₅₁ H ₅₈ F ₂ N ₁₀ O ₇ S ₂
Batch Molecular Weight:	1025.2
Physical Appearance:	Yellow solid
Solubility:	DMSO to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 98.0% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Microanalysis:	Carbon Hydrogen Nitrogen		
Theoretical	59.75	5.7	13.66
Found	58.77	5.86	13.19

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

Product Name: CST 905

Catalog No.: 7745

1

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(2-(4-(4-(3-(3-((*N*-Ethyl-*N*-methylsulfamoyl)amino)-2,6-difluorobenzoyl)-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl)phenyl)piperazin-1-yl)acetamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

Description:

CST 905 is a potent and selective BRAF^{V600E} Degrader (PROTAC®) (DC₅₀ = 18 nM). CST 905 comprises a ligand for the von Hippel Lindau (VHL) E3 ligase joined by a linker to a PLX-derived ligand. Unlike other BRAF^{V600E} Degraders, CST 905 does not activate ERK. B-Raf antibody validated for Simple Western™ (automated Western) instruments and Western Blot also available: Catalog # AF3424. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

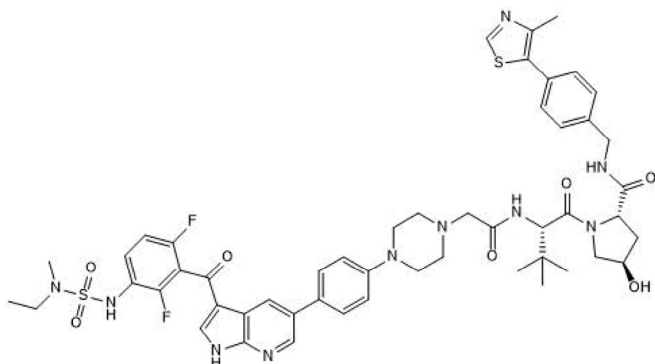
Batch Molecular Formula: C₅₁H₅₈F₂N₁₀O₇S₂

Batch Molecular Weight: 1025.2

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

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:

Miller *et al* (2022) Encoding BRAF inhibitor functions in protein degraders. RSC Med.Chem. **13** 731. PMID: 35814929.

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