

Product Name: HEMTAC 26

Catalog No.: 7940

Batch No.: 1

CAS Number: 2821803-61-4

IUPAC Name: 4-[6-[(6-Acetyl-8-cyclopentyl-7,8-dihydro-5-methyl-7-oxopyrido[2,3-*d*]pyrimidin-2-yl)amino]-3-pyridinyl]-*N*-[[[1-[4-[2-amino-4-chloro-7-[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-3-butyn-1-yl]-1*H*-1,2,3-triazol-4-yl]methyl]-1-piperazineacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₈H₅₃ClN₁₆O₄·³/₄H₂O

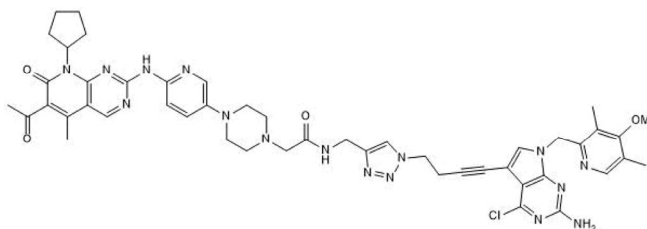
Batch Molecular Weight: 967.02

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 95.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.62	5.68	23.18
Found	58.63	5.6	22.57

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: HEMTAC 26

Catalog No.: 7940

Batch No.: 1

CAS Number: 2821803-61-4

IUPAC Name: 4-[6-[(6-Acetyl-8-cyclopentyl-7,8-dihydro-5-methyl-7-oxopyrido[2,3-*d*]pyrimidin-2-yl)amino]-3-pyridinyl]-*N*-[[[1-[4-[2-amino-4-chloro-7-[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]-3-butyn-1-yl]-1*H*-1,2,3-triazol-4-yl]methyl]-1-piperazineacetamide

Description:

HEMTAC 26 is a potent HSP90-mediated targeting chimera (HEMTAC) that degrades CDK6 and CDK4 (DC₅₀ values are 19 nM and 26 nM; D_{max} = 92% and 88% in B16F10 cells, 36h treatment). HEMTAC 26 inhibits growth of a range of cancer cell lines including B16F10 and A375 (IC₅₀ values are 112 nM and 126 nM respectively). Induces cell cycle arrest at G₀/G₁ phase in B16F10 cells.

Physical and Chemical Properties:

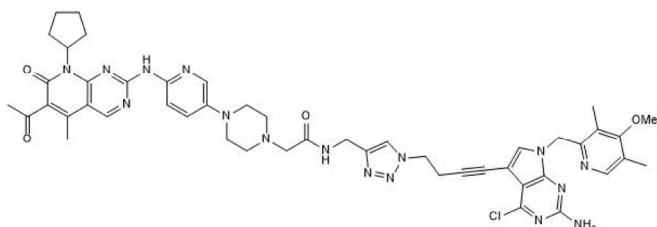
Batch Molecular Formula: C₄₈H₅₃ClN₁₆O₄·³/₄H₂O

Batch Molecular Weight: 967.02

Physical Appearance: Yellow solid

Minimum Purity: ≥95%

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:

Li *et al* (2023) Targeted protein degradation induced by HEMTACs based on HSP90. *J.Med.Chem.* **66** 733. PMID: 36574496.

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