

Product Name: PDE5 ATTEC 12C

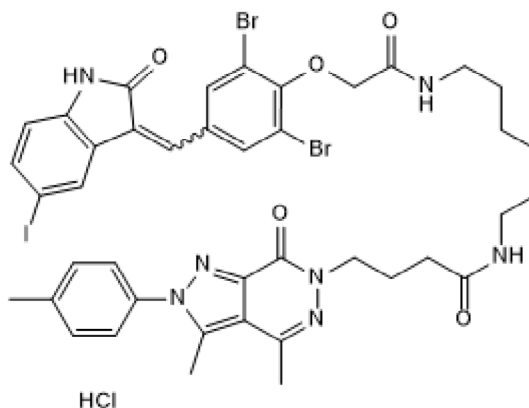
Catalog No.: 8824

Batch No.: 1

IUPAC Name: *N*-(6-(2-(2,6-Dibromo-4-((5-iodo-2-oxoindolin-3-ylidene)methyl)phenoxy)acetamido)hexyl)-4-(3,4-dimethyl-7-oxo-2-(*p*-tolyl)-2,7-dihydro-6*H*-pyrazolo[3,4-*d*]pyridazin-6-yl)butanamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Weight: 999.54
Physical Appearance: Yellow solid
Solubility: DMSO to 20 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	49.27	4.24	9.81
Found	49.51	4.15	9.52

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

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1

IUPAC Name: N-(6-(2-(2,6-Dibromo-4-((5-iodo-2-oxoindolin-3-ylidene)methyl)phenoxy)acetamido)hexyl)-4-(3,4-dimethyl-7-oxo-2-(p-tolyl)-2,7-dihydro-6H-pyrazolo[3,4-d]pyridazin-6-yl)butanamide

Description:

PDEδ ATTEC 12C is a selective PDEδ autophagy-tethering compound (ATTEC) Degrader (DC₅₀ = 1.7 μM; D_{max} = 85%; K_d = 56 nM). Inhibits proliferation of KRAS mutant Capan-1 and MiaPaCa-2 pancreatic cancer cells (IC₅₀ values are 0.8 μM and 1.4 μM respectively); dose- and time-dependently induces apoptosis.

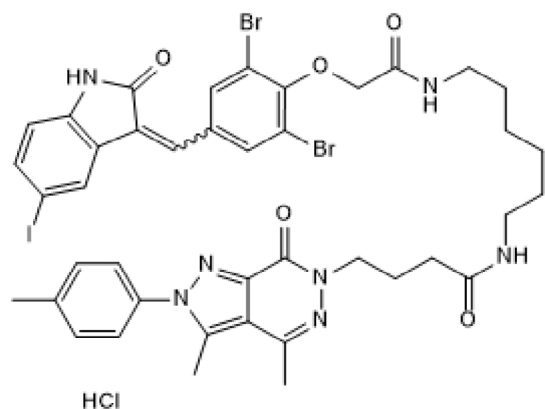
Physical and Chemical Properties:

Batch Molecular Weight: 999.54

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 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.

References:

Bao *et al* (2024) Discovery of novel PDEδ autophagic degraders: a case study of autophagy-tethering compound (ATTEC). ACS Med.Chem.Lett. **15** 29. PMID: 38229750.

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