

**Product Name:** PDE5 ATTEC 12C

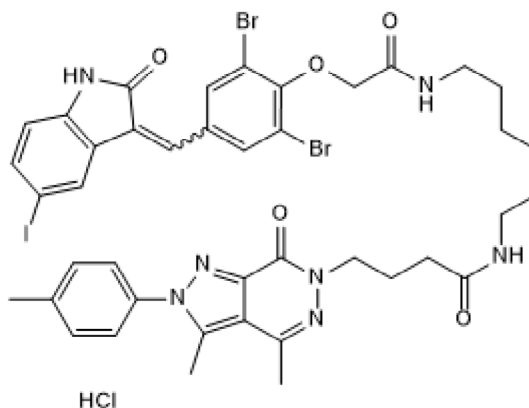
**Catalog No.:** 8824

**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

<b>Batch Molecular Weight:</b>	999.54
<b>Physical Appearance:</b>	Yellow solid
<b>Solubility:</b>	DMSO to 20 mM
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 98.0% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure
<b>Microanalysis:</b>	

	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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**Description:**

PDEδ ATTEC 12C is a selective PDEδ autophagy-tethering compound (ATTEC) Degrader (DC<sub>50</sub> = 1.7 μM; D<sub>max</sub> = 85%; K<sub>d</sub> = 56 nM). Degrades PDEδ through lysosome-mediated autophagy. Inhibits proliferation of KRAS mutant Capan-1 and MiaPaCa-2 pancreatic cancer cells (IC<sub>50</sub> values are 0.8 μM and 1.4 μM respectively); dose- and time-dependently induces apoptosis.

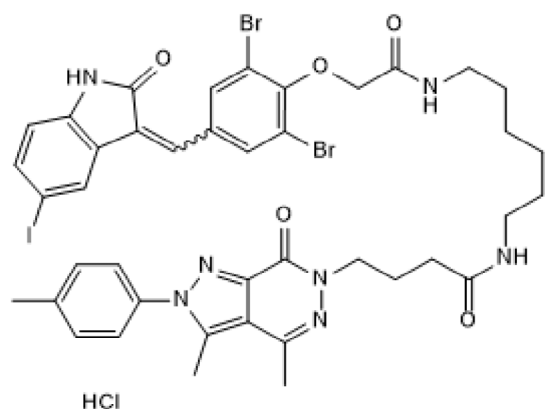
**Physical and Chemical Properties:**

Batch Molecular Weight: 999.54

Physical Appearance: Yellow solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**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.

**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.

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