1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** \( C_{25}H_{24}F_4N_4O_5 \cdot \frac{1}{4}H_2O \)

**Batch Molecular Weight:** 540.98

**Physical Appearance:** White solid

**Solubility:**
- DMSO to 100 mM
- Ethanol to 100 mM

**Storage:** Store at -20°C

![Batch Molecular Structure]

2. ANALYTICAL DATA

**HPLC:** Shows 100% purity

**\(^1\)H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Optical Rotation:** \([\alpha]_D = +53.4\) (Concentration = 0.74, Solvent = Methanol)

**Microanalysis:**

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>55.51</td>
<td>55.4</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.56</td>
<td>4.65</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>10.36</td>
<td>10.33</td>
</tr>
</tbody>
</table>
Product Name: A 485  
Catalog No.: 6387

Description:
A 485 is a potent and selective p300/CREB-binding protein (CBP) HAT domain inhibitor (IC50 values are 2.6 and 9.8 nM for the CBP-bromodomain HAT-C/H3 (BHC) and p300-BHC domains, respectively), which displays > 1000-fold selectivity over closely related HATs. A 485 suppresses proliferation in several hematological malignancies and AR+ prostate cancer cell lines in vitro, and also inhibits tumor growth in a castration-resistant prostate cancer xenograft model. A 485 is orally bioavailable. To request the negative control for A 485, please fill out the A 486 request form on the SGC website. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:
Batch Molecular Formula: C25H24F4N6O5.¼H2O  
Batch Molecular Weight: 540.98  
Physical Appearance: White solid  
Minimum Purity: ≥98%  
Batch Molecular Structure:

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 100 mM  
ethanol 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.

Licensing Information:
This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the A-485 probe summary on the SGC website.

References:
