1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( C_{18}H_{12}BrN_{3}O_{3} \)
   Batch Molecular Weight: 398.21
   Physical Appearance: Purple solid
   Solubility: DMSO to 20 mM
   Storage: Store at +4°C

2. ANALYTICAL DATA

   HPLC: Shows 99.5% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
   
<table>
<thead>
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<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
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<tr>
<td>H</td>
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<td>2.94</td>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: BIO-acetoxime

CAS Number: 667463-85-6

IUPAC Name: (2’Z,3’E)-6-Bromoindirubin-3’-acetoxime

Description:
Selective GSK-3α/β inhibitor (IC_{50} values are 0.01, 2.4, 4.3 and 63 μM for GSK-3α/β, CDK5/p25, CDK2/cyclin A and CDK1/cyclin B respectively). Induces Wnt signaling and inhibits CD8+ T cell effector differentiation.

Physical and Chemical Properties:
- **Batch Molecular Formula:** C_{18}H_{12}BrN_{4}O_{3}
- **Batch Molecular Weight:** 398.21
- **Physical Appearance:** Purple solid
- **Minimum Purity:** >98%

Storage:
Store at +4°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. Our standard recommendations are:

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: