**Product Name:** TWS 119  
**Catalog No.:** 3835  
**Batch No.:** 2

**CAS Number:** 1507095-58-0  
**IUPAC Name:** 3-[[6-(3-Aminophenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]oxyphenol ditrifluoroacetate

### 1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{18}H_{14}N_{4}O_{2} \cdot 2CF_{3}CO_{2}H.$
- **Batch Molecular Weight:** 546.38
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 100 mM, ethanol to 100 mM
- **Storage:** Desiccate at +4°C

### 2. ANALYTICAL DATA

- **TLC:** $R_f = 0.5$ (Dichloromethane:Methanol:2M NH3 [100:8])
- **HPLC:** Shows 98.7% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
Product Name: TWS 119
Catalog No.: 3835  Batch No.: 2

CAS Number: 1507095-58-0
IUPAC Name: 3-[[6-(3-Aminophenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]oxyphenol ditrifluoroacetate

Description:
Inhibitor of glycogen synthase kinase-3β (IC₅₀ = 30 nM). Induces neuronal differentiation in pluripotent murine embryonal carcinoma cells and embryonic stem cells (ESCs).

Physical and Chemical Properties:
Batch Molecular Formula: C₁₅₉H₁₄₆N₄O₈.₂CF₃CO₂H.
Batch Molecular Weight: 546.38
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Desiccate at +4°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. 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: