1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{37}\text{H}_{39}\text{IO}_{9} \)

Batch Molecular Weight: 754.6

Physical Appearance: White lyophilised solid

Solubility: Soluble in DMSO ethanol to 100 mM

Storage: Desiccate at -20°C

2. ANALYTICAL DATA

HPLC: Shows 98.9% purity

Mass Spectrum: Consistent with structure
**Product Name:** 5'-Iodoresiniferatoxin  
**Catalog No.:** 1362  
**Batch No.:** 10

**CAS Number:** 535974-91-5  
**IUPAC Name:** 6,7-Deepoxy-6,7-didehydro-5-deoxy-21-dephenyl-21-(phenylmethyl)-daphnetoxin,20-(4-hydroxy-5-iodo-3-methoxybenzeneacetate)

**Description:**  
Potent and silent vanilloid receptor antagonist, 40-fold more potent than capsazepine (Cat. No. 0464). Binds to TRPV1 (VR1) receptors expressed in HEK293 cells with a K\textsubscript{i} of 5.8 nM.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\textsubscript{37}H\textsubscript{36}IO\textsubscript{9}
- **Batch Molecular Weight:** 754.6
- **Physical Appearance:** White lyophilised solid
- **Minimum Purity:** >98%

**Storage:** Desiccate 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:**
Soluble in DMSO ethanol to 100 mM

This product is supplied in a sealed glass ampoule as a lyophilized solid, please refer to the Tocris catalogue for opening instructions. Lyophilized solids can be hard to visualize therefore solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

**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:**