

**Product Name:** S3QEL 2

**Catalog No.:** 5735

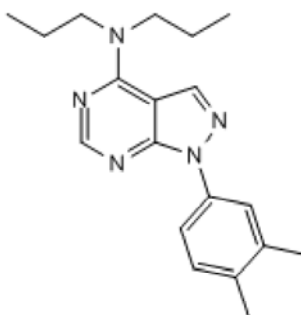
**Batch No.:** 1

CAS Number: 890888-12-7

IUPAC Name: 1-(3,4-Dimethylphenyl)-*N,N*-dipropyl-1*H*-pyrazolo[3,4-*d*]pyrimidin-4-amine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>19</sub>H<sub>25</sub>N<sub>5</sub>·0.1H<sub>2</sub>O  
**Batch Molecular Weight:** 325.24  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 20 mM with gentle warming  
 ethanol to 20 mM with gentle warming  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.17	7.81	21.53
Found	70.01	7.89	21.69

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Suppresses superoxide production by complex III in the mitochondria without affecting normal electron flux or cellular oxidative phosphorylation (IC<sub>50</sub> = 1.7 μM). Suppresses HIF-1α accumulation and enhances survival and function of primary pancreatic islets in vitro. Cell permeable.

**Physical and Chemical Properties:**

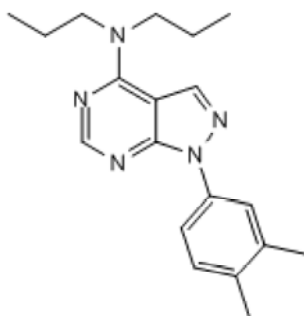
Batch Molecular Formula: C<sub>19</sub>H<sub>25</sub>N<sub>5</sub>·0.1H<sub>2</sub>O

Batch Molecular Weight: 325.24

Physical Appearance: Off White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 20 mM with gentle warming  
ethanol to 20 mM with gentle warming

**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:**

Orr *et al* (2015) Suppressors of superoxide production from mitochondrial complex III. *Nat.Chem.Biol.* **11** 834. PMID: 26368590.

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