

**Product Name:** Pexacerfont

**Catalog No.:** 6451

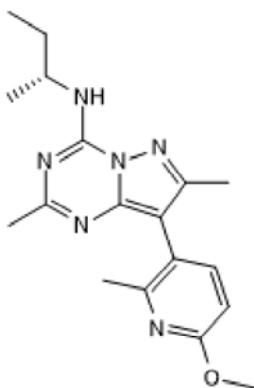
**Batch No.:** 1

CAS Number: 459856-18-9

IUPAC Name: 8-(6-Methoxy-2-methyl-3-pyridinyl)-2,7-dimethyl-N-[(1*R*)-1-methylpropyl]pyrazolo[1,5-*a*]-1,3,5-triazin-4-amine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>H<sub>24</sub>N<sub>6</sub>O  
**Batch Molecular Weight:** 340.43  
**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 99.8% purity  
**Chiral HPLC:** Shows 100% purity  
<sup>1</sup>H NMR: Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	63.51	7.11	24.69
Found	63.41	7.13	24.74

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

**Product Name:** Pexacerfont

**Catalog No.:** 6451

**Batch No.:** 1

CAS Number: 459856-18-9

IUPAC Name: 8-(6-Methoxy-2-methyl-3-pyridinyl)-2,7-dimethyl-N-[(1R)-1-methylpropyl]pyrazolo[1,5-a]-1,3,5-triazin-4-amine

**Description:**

Potent and selective corticotropin-releasing factor 1 receptor (CRF<sub>1</sub>) antagonist (IC<sub>50</sub> = 6.1 nM). Displays >150 fold selectivity for CRF<sub>1</sub> over CRF<sub>2b</sub>. Inhibits CRF-mediated adrenocorticotrophic hormone (ACTH) release from pituitary cell culture (IC<sub>50</sub> = 129 nM). Displays anxiolytic effects in rat behavioral paradigms.

**Physical and Chemical Properties:**

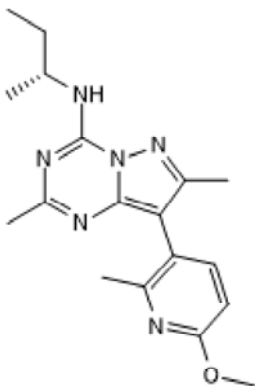
Batch Molecular Formula: C<sub>18</sub>H<sub>24</sub>N<sub>6</sub>O

Batch Molecular Weight: 340.43

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. 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:**

Gilligan *et al* (2009) Synthesis and structure-activity relationships of 8-(pyrid-3-yl)pyrazolo[1,5-a]-1,3,5-triazines: potent, orally bioavailable corticotropin releasing factor receptor-1 (CRF<sub>1</sub>) antagonists. *J.Med.Chem.* **52** 3084. PMID: 19361209.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956