

**Product Name:** ICI 63197

**Catalog No.:** 1816

**Batch No.:** 2

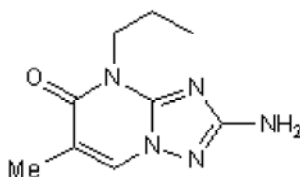
CAS Number: 27277-00-5

EC Number: 248-383-5

IUPAC Name: 2-Amino-6-methyl-4-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-5(4H)-one

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>9</sub>H<sub>13</sub>N<sub>5</sub>O  
**Batch Molecular Weight:** 207.23  
**Physical Appearance:** White solid  
**Solubility:** ethanol to 100 mM  
DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.6 (Dichloromethane:Methanol [9:1])  
**Melting Point:** Between 168 - 170°C  
**HPLC:** Shows 99.8% purity  
<sup>1</sup>H NMR: Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	52.16	6.32	33.79
Found	52.06	6.29	33.66

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

**Product Name:** ICI 63197

**Catalog No.:** 1816

**Batch No.:** 2

CAS Number: 27277-00-5

EC Number: 248-383-5

IUPAC Name: 2-Amino-6-methyl-4-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-5(4H)-one

**Description:**

Potent phosphodiesterase (PDE) 4 inhibitor ( $IC_{50}$  = 35 nM for inhibition of [<sup>3</sup>H]-rolipram binding to rat brain). Antidepressant following systemic administration in vivo.

**Physical and Chemical Properties:**

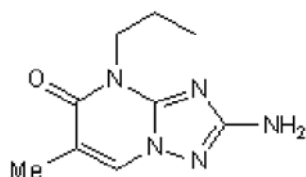
Batch Molecular Formula: C<sub>9</sub>H<sub>13</sub>N<sub>5</sub>O

Batch Molecular Weight: 207.23

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

ethanol to 100 mM

DMSO 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:**

**Zhao et al** (2003) Inhibitor binding to type 4 phosphodiesterase (PDE4) assessed using [<sup>3</sup>H]piclamilast and [<sup>3</sup>H]rolipram J.Pharmacol.Exp.Ther. **305** 565. PMID: 12704225.

**Kaulen et al** (1989) Autoradiographic mapping of a selective cyclic adenosine monophosphate phosphodiesterase in rat brain with the antidepressant [<sup>3</sup>H]rolipram. Brain Res. **503** 229. PMID: 2557965.

**Wachtel** (1983) Potential antidepressant activity of rolipram and other selective cyclic adenosine 3',5'-monophosphate phosphodiesterase inhibitors. Neuropharmacology **22** 267. PMID: 6302550.

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