

**Product Name:** UK 383367

**Catalog No.:** 4188

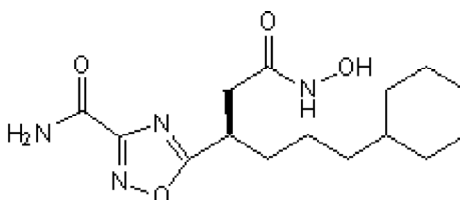
**Batch No.:** 1

CAS Number: 348622-88-8

IUPAC Name: 3-(Aminocarbonyl)-β-(3-cyclohexylpropyl)-N-hydroxy-1,2,4-oxadiazole-5-propanamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>15</sub>H<sub>24</sub>N<sub>4</sub>O<sub>4</sub>  
**Batch Molecular Weight:** 324.38  
**Physical Appearance:** Off-white solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.5% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	55.54	7.46	17.27
Found	55.57	7.46	17.37

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

**Product Name:** UK 383367

**Catalog No.:** 4188

**1**

CAS Number: 348622-88-8

IUPAC Name: 3-(Aminocarbonyl)- $\beta$ -(3-cyclohexylpropyl)-N-hydroxy-1,2,4-oxadiazole-5-propanamide

**Description:**

UK 383367 is a potent and selective inhibitor of BMP-1 (procollagen C-proteinase; PCP) ( $IC_{50}$  = 44 nM). Selective for BMP-1 over MMPs 1, 2, 3, 9 and 14 ( $IC_{50}$  values are >10,000 nM for listed MMPs).

**Physical and Chemical Properties:**

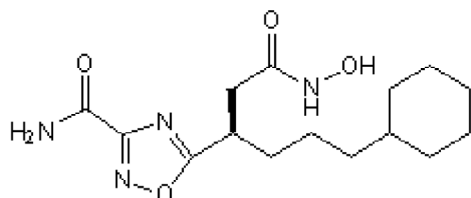
Batch Molecular Formula: C<sub>15</sub>H<sub>24</sub>N<sub>4</sub>O<sub>4</sub>

Batch Molecular Weight: 324.38

Physical Appearance: Off-white solid

**Minimum Purity:**  $\geq 99\%$

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

When purchased as a 1mg unit, this product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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.

**Licensing Information:**

Sold for research purposes under agreement from Pfizer Inc.

**References:**

**Bailey et al** (2008) Succinyl hydroxamates as potent and selective non-peptidic inhibitors of procollagen C-proteinase: design, synthesis, and evaluation as topically applied, dermal anti-scarring agents. *Bioorg.Med.Chem.Lett.* **18** 6562. PMID: 18945617.

**Fish et al** (2007) Potent and selective nonpeptidic inhibitors of procollagen C-proteinase. *J.Med.Chem.* **50** 3442. PMID: 17591762.

**Allan et al** (2006) Pharmacokinetics and metabolism of UK-383,367 in rats and dogs: a rationale for long-lived plasma radioactivity. *Xenobiotica* **36** 399. PMID: 16854779.

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