



## Tosedostat (CHR2797)

### Kinase Inhibitor

E1KS1522

**Kinase Inhibitor Name:** Tosedostat (CHR2797)

**Catalog Number:** E1KS1522

**Quantity:** 5mg

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

**M.Wt:** 406.47

**Formula:**  $C_{21}H_{30}N_2O_6$

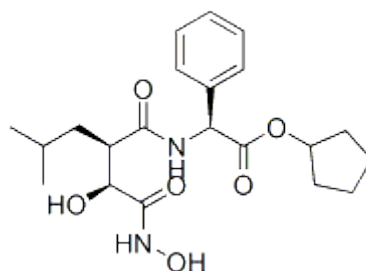
**Solubility:** DMSO  $\geq 81\text{mg/mL}$  Water  $< 1\text{mg/mL}$  Ethanol  $\geq 81\text{mg/mL}$

**Purity:**  $> 99\%$

**Storage:** at  $-20^\circ\text{C}$  2 years

**CAS No.:** 238750-77-1

**Molecular Structure:**



#### 2. Biological Activity

Tosedostat (CHR2797) is an aminopeptidase inhibitor with  $IC_{50}$  of 100, 150, 220,  $> 1000$ ,  $> 5000$ ,  $> 10000$  and  $> 30000$  nM for LAP, PuSA, aminopeptidase N, aminopeptidase B, PILSAP, LTA4 hydrolase and MetAP2, respectively.

It has demonstrated anti-tumour activity in a number of models of cancer, both as a single agent and in synergy with cytotoxic agents such as carboplatin and paclitaxel. <sup>[1][2]</sup>

#### 3. References:

CHR-2797: An Antiproliferative Aminopeptidase Inhibitor that Leads to Amino Acid Deprivation in Human Leukemic Cells Lindsey A. Needham, Lindsay J. Bawden, et al. Cancer Res 2008;68:6669-6679

A First-in-Man Phase I and Pharmacokinetic Study on CHR-2797 (Tosedostat), an Inhibitor of M1 Aminopeptidases, in Patients with Advanced Solid Tumors Andrew Protheroe, Gerhardt Attard, et al. Clin Cancer Res 2009;15:4978-4985

**The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.**

**For Research Use Only**