

**Product Name:** CP 376395 hydrochloride

**Catalog No.:** 3212

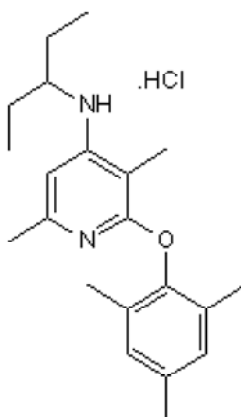
**Batch No.:** 1

CAS Number: 1013933-37-3

IUPAC Name: *N*-(1-Ethylpropyl)-3,6-dimethyl-2-(2,4,6-trimethylphenoxy)-4-pyridinamine hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>21</sub>H<sub>30</sub>N<sub>2</sub>.HCl  
**Batch Molecular Weight:** 362.94  
**Physical Appearance:** White solid  
**Solubility:** water to 50 mM  
DMSO to 100 mM  
1eq. HCl to 100 mM  
ethanol to 100 mM  
**Storage:** Desiccate at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.83 (Diethyl ether)  
**HPLC:** Shows 99.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	69.5	8.61	7.72
Found	69.52	8.72	7.69

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

**Product Name:** CP 376395 hydrochloride

**Catalog No.:** 3212

**Batch No.:** 1

CAS Number: 1013933-37-3

IUPAC Name: *N*-(1-Ethylpropyl)-3,6-dimethyl-2-(2,4,6-trimethylphenoxy)-4-pyridinamine hydrochloride

**Description:**

Potent and selective CRF<sub>1</sub> receptor antagonist (K<sub>i</sub> values are 12 and >10000 nM for CRF<sub>1</sub> and CRF<sub>2</sub> receptors respectively). Binds at an allosteric site. Attenuates CRF-induced activation of the HPA axis in vivo following i.v. administration. Orally active.

**Physical and Chemical Properties:**

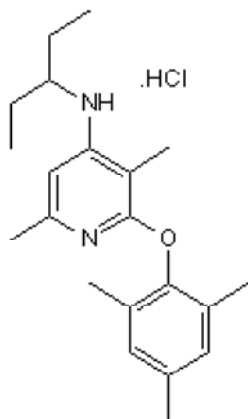
Batch Molecular Formula: C<sub>21</sub>H<sub>30</sub>N<sub>2</sub>.HCl

Batch Molecular Weight: 362.94

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Desiccate at RT

**Solubility & Usage Info:**

water to 50 mM  
DMSO to 100 mM  
1eq. HCl 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:**

**Lu et al** (2019) Small molecule allosteric modulators of G-protein-coupled receptors: drug-target interactions. *J.Med.Chem.* **62** 24. PMID: 29457894 .

**Hollenstein et al** (2013) Structure of class B GPCR corticotropin-releasing factor receptor 1. *Nature* **499** 438. PMID: 23863939.

**Chen et al** (2008) 2-Aryloxy-4-alkylaminopyridines: discovery of novel corticotropin-releasing factor 1 antagonists. *J.Med.Chem.* **51** 1385. PMID: 18288792.

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