

**Product Name:** CP 154526

**Catalog No.:** 2779

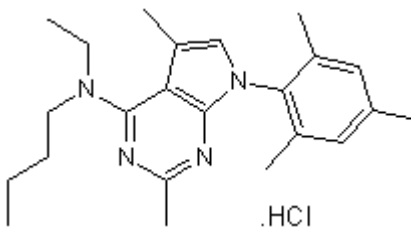
**Batch No.:** 4

CAS Number: 257639-98-8

IUPAC Name: *N*-Butyl-*N*-ethyl-2,5-dimethyl-7-(2,4,6-trimethylphenyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>23</sub>H<sub>32</sub>N<sub>4</sub>·HCl  
**Batch Molecular Weight:** 400.99  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 50 mM  
ethanol to 50 mM  
**Storage:** Desiccate at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.7% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	68.89	8.3	13.97
Found	68.79	8.37	14.05

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

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**Description:**

Selective, non-peptide CRF<sub>1</sub> receptor antagonist ( $K_i$  values are 2.7 and > 10000 nM for CRF<sub>1</sub> and CRF<sub>2</sub> receptors respectively). Blocks CRF-induced adenylate cyclase activation ( $K_i = 3.7$  nM) and attenuates activation of the HPA axis by CRF. Displays anxiolytic-like activity in the rat elevated plus-maze test; brain penetrant.

**Physical and Chemical Properties:**

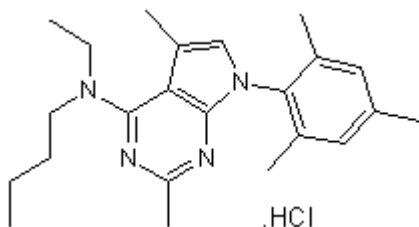
Batch Molecular Formula: C<sub>23</sub>H<sub>32</sub>N<sub>4</sub>.HCl

Batch Molecular Weight: 400.99

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**References:**

**Hodgson et al** (2007) Comparison of the V1b antagonist, SSR149415, and the CRF1 antagonist, CP-154,526, in rodent models of anxiety and depression. *Pharmacol.Biochem.Behav.* **86** 431. PMID: 17291571.

**Lundkist et al** (1996) A non peptidic corticotropin releasing factor receptor antagonist attenuates fever and exhibits anxiolytic activity. *Eur.J.Pharmacol.* **309** 195. PMID: 8874139.

**Schulz et al** (1996) CP-154,526: a potent and selective nonpeptide antagonist of corticotropin releasing factor receptors. *Proc.Natl.Acad.Sci.USA* **93** 10477.

**Storage:** Desiccate at +4°C

**Solubility & Usage Info:**

DMSO to 50 mM

ethanol to 50 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.

**Licensing Information:**

Sold for research purposes under agreement from Pfizer Inc.

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