

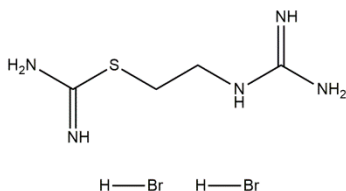
# VUF 8430 dihydrobromide

10/19

**ALTERNATE NAMES:** 2-guanidinoethyl carbamimidothioate dihydrobromide, 2-(2-guanidinoethyl)isothiourea dihydrobromide; Pseudourea, 2-(2-guanidinoethyl)-2-thio-, dihydrobromide

**CATALOG #:** B2925-5 5 mg  
B2925-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>4</sub>H<sub>13</sub>Br<sub>2</sub>N<sub>5</sub>S

**MOLECULAR WEIGHT:** 323.05

**CAS NUMBER:** 100130-32-3

**APPEARANCE:** Solid

**PURITY:** 97%

**SOLUBILITY:** 24 mg/ml in Water  
30 mg/ml in DMSO

**DESCRIPTION:** VUF 8430 is a high affinity agonist ( $pK_i = 7.5$ ) for the histamine H<sub>4</sub> receptor ( $pEC_{50} = 7.3$ ). It is a moderate affinity agonist for the H<sub>3</sub> receptor and is inactive at H<sub>1</sub> and H<sub>2</sub> receptor.

**STORAGE TEMPERATURE:** -20°C. Protect from air. Store under desiccating conditions.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCE:** Lim, H.D., Adami, M., Guaita, E., et al., Pharmacological characterization of the new histamine H<sub>4</sub> receptor agonist VUF 8430. Br J Pharmacol. 157(1):34-43 (2009).

**RELATED PRODUCTS:**

Histamine Assay Kit (Fluorometric) (Cat. No. K386)  
 Clemastine Fumarate (Cat. No. B2525)  
 Triamcinolone acetonide (Cat. No. B1520)  
 BF2649 hydrochloride (Cat. No. B2279)  
 Chlorpromazine Hydrochloride (Cat. No. B1992)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*