

## RVX-208

BET bromodomain antagonist

**Catalog # B17-905B**

Lot # N3425-9

CAS# 1044870-39-4

### Product Description

Molecular Formula: C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O<sub>5</sub>

Appearance: White powder

Molecular Weight: 370.4

Purity: >98% (TLC); NMR (conforms)

Solubility: May be dissolved in DMSO (75 mg/ml); or ethanol (4 mg/ml)

### Alternative name(s)

2-[4-(2-hydroxyethoxy)-3,5-dimethylphenyl]-5,7-dimethoxy-4(3H)-quinazolinone

### Storage and Stability

Store desiccated as supplied at -20°C for up to 2 years.

Store solutions at -20°C for up to 1 month.

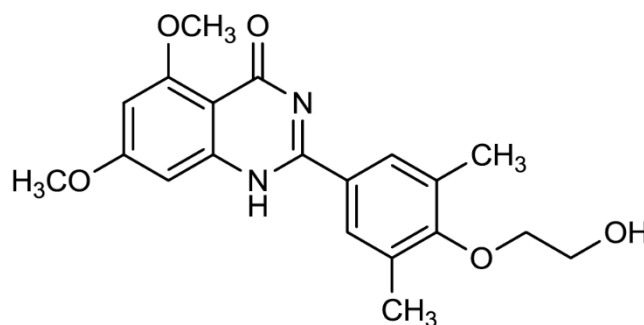
### Scientific Background

RVX-208 is a potent BET bromodomain antagonist with IC<sub>50</sub> of 0.510 μM for BD2, with approximately 170-fold selectivity over BD1 (1,2). Increases apolipoprotein A-1 and HDL cholesterol *in vitro* and *in vivo* (3). Reduces atherosclerosis (4).

### References

1. S Picaud et al. Proc. Natl. Acad. Sci. USA 2013 110: 19754
2. KG McLure et al. PLoS One 2013 8:e83190
3. D Bailey et al. J. Am. Coll. Cardiol. 2010 55:2580
4. R Jahagirdar et al. Atherosclerosis 2014 236:91

### Molecular Structure



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Lot # N3425-9

Purity >98% (TLC); NMR (conforms)

Format White powder

Solubility May be dissolved in DMSO (75 mg/ml); or ethanol (4 mg/ml)

Storage & Shipping Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 1 month. Shipped at ambient temperature.

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# SAFETY DATA SHEET

## Article 1 – Identification of the Substance

**Product Name: RVX-208****Catalog # B17-905B**

*This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.*

Manufacturer's Name:	SignalChem Biotech Inc.
Street Address:	110-13120 Vanier Place
City, Prov. Postal Code:	Richmond, BC, V6V 2J2
Fax:	604-232-4601
EMERGENCY PHONE:	604-232-4600

## Article 2 - Hazardous Identification

### 2.1 Classification of Substance (GHS)

This substance is not classified, according to the Globally Harmonized System (GHS).

### 2.2 Label Elements

None

**GHS Signal Word:** None

**GHS Hazard Phrases:** None

**GHS Precaution Phrases:** None

**GHS Response Phrases:** None

**GHS Storage and Disposal Phrases:**

Please refer to Section 7 for Storage and Section 13 for Disposal Information

**2.3 Other hazards:** To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

## Article 3 – Composition/Information on Ingredients

### 3.1 Substance

<b>Product Name(s):</b>	RVX-208
<b>Chemical Name:</b>	2-[4-(2-hydroxyethoxy)-3,5-dimethylphenyl]-5,7-dimethoxy-4(3H)-quinazolinone
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>22</sub> N <sub>2</sub> O <sub>5</sub>
<b>CAS Number:</b>	1044870-39-4
<b>Concentration:</b>	100%

## Article 4 – First Aid

### 4.1 Description of First Aid Measures

**General:** No special measures required.

**After Inhalation:** Supply fresh air; consult doctor in case of complaints.

**After Skin Contact:** Generally, the product does not irritate the skin.

**After Eye Contact:** Rinse opened eye for several minutes under running water.

**After Swallowing:** If symptoms persist, consult a doctor.

**4.2 Important Symptoms and Effects:** May cause anemia, cough, CNS depression, drowsiness, headache, heart damage, lassitude (weakness, exhaustion), liver damage, narcosis, reproductive effects, teratogenic effects.

## Article 5 – Fire Fighting Measures

### 5.1 Extinguishing Media

Use fire-fighting measures that suit the environment. A solid water stream may be inefficient.

### 5.2 Special Hazards

No further relevant information available.

### 5.3 Precautions for Fire Fighters

No special measures required.

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## Article 6 – Accidental Release Measures

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### 6.1 Personal Precautions

Not required.

### 6.2 Environmental Precautions

Do not allow to enter sewers/surface or ground water.

### 6.3 Methods for Containment and Clean-up

Pick up mechanically.

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## Article 7 – Handling and Storage

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### 7.1 Handling Precautions

No special measures required.

### 7.2 Safe Storage Measures

No special requirements.

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## Article 8 – Exposure Controls/Personal Protection

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### 8.1 Control Parameters

Contains no substances with occupational exposure limit values.

### 8.2 Specific Engineering Controls

Keep airborne levels low by using a fumehood or local exhaust.

### 8.3 Personal Protection

**Eye/Face Protection:** Use safety glasses.

**Skin Protection:** Use chemical resistant gloves. Remove and dispose of gloves properly after use. Wash hands thoroughly after use.

**Body Protection:** Wear a lab coat.

**Respiratory Protection:** If risk is present wear a dust respirator.

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## Article 9 – Physical and Chemical Properties

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**Appearance:** White powder

**Odour:** data not available

**Odour Threshold:** data not available

**pH:** data not available

**Melting/Freezing Pt:** data not available

**Boiling Pt:** data not available

**Flash Pt:** data not available

**Explosive Properties:** data not available

**Solubility notes:** May be dissolved in DMSO (75 mg/ml); or ethanol (4 mg/ml)

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## Article 10 – Stability and Reactivity

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**10.1 Stability:** Stable under recommended transport or storage conditions

**10.2 Conditions to Avoid:** No further relevant information available

**10.3 Incompatibility – Materials to Avoid:** Strong oxidizing agents

**10.4 Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides

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## Article 11– Toxicological Information

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**11.1 Toxicological Effects:** The toxicological effects of this product have not been thoroughly studied.

**Acute Toxicity:** data not available

**Chronic Toxicity:** data not available

**Skin Corrosion/Irritation:** No irritant effect

**Eye Damage/Irritation:** No irritating effect

**Respiratory or Skin Sensitization:** No sensitizing effects known

**Germ Cell Mutagenicity:** data not available

**Carcinogenicity:** None according to NIOSH

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## Article 12 – Ecological Information

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**12.1 Toxicity**

Water hazard class 1 (self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.2 Degradability**

Data not available

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## Article 13 – Disposal Considerations

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**13.1 Waste Treatment**

Smaller quantities can be disposed of with household waste. Disposal must be made according to official regulations.

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## Article 14 – Transport Information

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**14.1 DOT**

Not dangerous goods

**14.2 IMDG**

Not dangerous goods

**14.2 IATA**

Not dangerous goods

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## Article 15 – Regulatory Information

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

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## Article 16 – Other Information

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. SignalChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalog for additional terms and conditions of sale.

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