

**Product Name:** Retigabine

**Catalog No.:** 6233

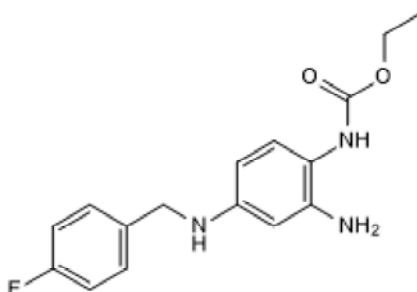
**Batch No.:** 1

CAS Number: 150812-12-7

IUPAC Name: Ethyl [2-amino-4-[(4-fluorophenyl)methyl]amino]phenyl]carbamate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 303.33  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	63.35	5.98	13.85
Found	63.12	5.94	13.78

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

**Product Name:** Retigabine

**Catalog No.:** 6233

**Batch No.:** 1

CAS Number: 150812-12-7

IUPAC Name: Ethyl [2-amino-4-[[4-(4-fluorophenyl)methyl]amino]phenyl]carbamate

**Description:**

K<sub>v</sub>7 (KCNQ) channel activator (EC<sub>50</sub> values are 0.6 - 100 μM for K<sub>v</sub>7.1 - K<sub>v</sub>7.5). Anticonvulsant. Orally bioavailable.

**Physical and Chemical Properties:**

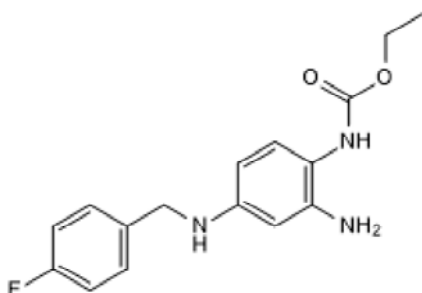
Batch Molecular Formula: C<sub>16</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>2</sub>

Batch Molecular Weight: 303.33

Physical Appearance: Off White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO 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:**

**Blackburn-Munro et al** (2005) Retigabine: chemical synthesis to clinical application. *CNS Drug Rev.* **11** 1. PMID: 15867950.

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