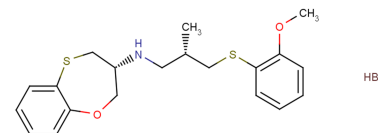


F15845 HBr

## Chemical Properties

CAS No. : 866760-23-8  
Formula: C<sub>20</sub>H<sub>26</sub>BrNO<sub>2</sub>S<sub>2</sub>  
Molecular Weight: 456.457  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | F 15845 is a blocker of the persistent sodium current prevents consequences of hypoxia in rat femoral artery. F15845 has been shown to selectively inhibit the persistent sodium current of Nav1.5[1] exerting cardioprotective effects following ischemia. In vitro testing showed minimal effects of F15845 on other important ion channels of the heart, including major Ca <sup>2+</sup> and K <sup>+</sup> channels.[1] This characteristic is thought to account for the limited effect of F15845 to change other heart parameters such as basal cardiac function, hemodynamic functions and ventricular fibrillation. F15845 was also shown to exert improved effects when the membrane potential was depolarized,[1] by acting on the extracellular side of the channel. |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1908 mL | 10.9539 mL | 21.9077 mL |
| 5 mM  | 0.4382 mL | 2.1908 mL  | 4.3815 mL  |
| 10 mM | 0.2191 mL | 1.0954 mL  | 2.1908 mL  |
| 50 mM | 0.0438 mL | 0.2191 mL  | 0.4382 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481