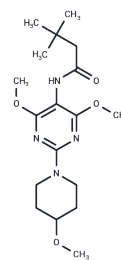


PF05020182

## Chemical Properties

CAS No. : 1354712-92-7  
 Formula: C<sub>18</sub>H<sub>30</sub>N<sub>4</sub>O<sub>4</sub>  
 Molecular Weight: 366.46  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	PF05020182 is novel potent and selective Kv7.2/4 potassium channel opener. PF-05020182 (2) significantly inhibits convulsions in the MES assay at doses tested, consistent with in vitro activity measure. The physiochemical properties, in vitro and in vivo activities of PF-05020182 support further development as an adjunctive treatment of refractory epilepsy. Facilitating activation, or delaying inactivation, of the native Kv7 channel reduces neuronal excitability, which may be beneficial in controlling spontaneous electrical activity during epileptic seizures.
Targets(IC50)	Others,Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7288 mL	13.6441 mL	27.2881 mL
5 mM	0.5458 mL	2.7288 mL	5.4576 mL
10 mM	0.2729 mL	1.3644 mL	2.7288 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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