



## Product Information

**Product ID** F6803

**CAS No.** 1232030-35-1

**Chemical Name**

**Synonym**

**Formula**  $(C_{25}H_{23}Cl_2FN_6O)_2 \cdot H_2O$

**Formula Wt.** 522.40

**Melting Point**

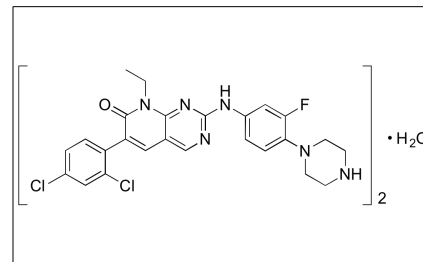
**Purity**  $\geq 98\%$

**Solubility** DMSO 22 mg/mL (42.85 mM)  
Water Insoluble  
Ethanol Insoluble

**Store Temp** 4° C

**Ship Temp** Ambient

**Description** FRAX486 is an inhibitor of PAK that is currently under investigation as a potential treatment for schizophrenia; it exhibits neuroprotective activity and anti-psychotic potential. In vitro, FRAX486 ameliorates synaptic deterioration induced by DISC1 knockdown. In animal models of fragile X syndrome, FRAX486 rescues seizures and other behavioral abnormalities.



**Bulk quantities available upon request**

Product ID	Size
F6803	1 mg
F6803	5 mg
F6803	10 mg

**References** Hayashi-Takagi A, Araki Y, Nakamura M, et al. PAKs inhibitors ameliorate schizophrenia-associated dendritic spine deterioration in vitro and in vivo during late adolescence. *Proc Natl Acad Sci U S A*. 2014 Apr 29;111(17):6461-6. PMID: 24706880.

Dolan BM, Duron SG, Campbell DA, et al. Rescue of fragile X syndrome phenotypes in Fmr1 KO mice by the small-molecule PAK inhibitor FRAX486. *Proc Natl Acad Sci U S A*. 2013 Apr 2;110(14):5671-6. PMID: 23509247.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.