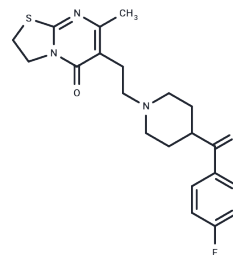


## Setoperone

## Chemical Properties

CAS No. :	86487-64-1
Formula:	C <sub>21</sub> H <sub>24</sub> FN <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	401.5
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	Setoperone, as a sensitive radioligand, can be commonly used in position emission tomography (PET) imaging.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4907 mL	12.4533 mL	24.9066 mL
5 mM	0.4981 mL	2.4907 mL	4.9813 mL
10 mM	0.2491 mL	1.2453 mL	2.4907 mL
50 mM	0.0498 mL	0.2491 mL	0.4981 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.

### Reference

- Beverdors DQ, Nordgren RE, Bonab AA, Fischman AJ, Weise SB, Dougherty DD, Felopulos GJ, Zhou FC, Bauman ML. 5-HT<sub>2</sub> receptor distribution shown by [18F] setoperone PET in high-functioning autistic adults. *J Neuropsychiatry Clin Neurosci*. 2012 Spring;24(2):191-7. doi: 10.1176/appi.neuropsych.11080202. PubMed PMID: 22772667.
- Blin J, Crouzel C. Blood-cerebrospinal fluid and blood-brain barriers imaged by 18F-labeled metabolites of 18F-setoperone studied in humans using positron emission tomography. *J Neurochem*. 1992 Jun;58(6):2303-10. PubMed PMID: 1573409.
- Blin J, Baron JC, Dubois B, Crouzel C, Fiorelli M, Attar-Lévy D, Pillon B, Fournier D, Vidailhet M, Agid Y. Loss of brain 5-HT<sub>2</sub> receptors in Alzheimer's disease. In vivo assessment with positron emission tomography and [18F] setoperone. *Brain*. 1993 Jun;116 ( Pt 3):497-510. PubMed PMID: 8513389.
- Gerretsen P, Graff-Guerrero A, Menon M, Pollock BG, Kapur S, Vasdev N, Houle S, Mamo D. Is desire for social relationships mediated by the serotonergic system in the prefrontal cortex? An [(18)F]setoperone PET study. *Soc Neurosci*. 2010;5(4):375-83. doi: 10.1080/17470911003589309. Epub 2010 Mar 1. PubMed PMID: 20198536.

**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:34 Washington Street,Wellesley Hills,MA 02481