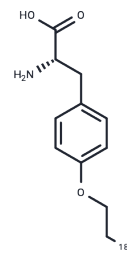


Fet F-18

Chemical Properties

CAS No. :	178433-03-9
Formula:	C ₁₁ H ₁₄ FNO ₃
Molecular Weight:	226.23
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	Fet F-18 is an amino acid analog radiolabeled with fluorine F-18, a positron-emitting isotope, can be used as a tracer in positron emission tomography (PET).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4203 mL	22.1014 mL	44.2028 mL
5 mM	0.8841 mL	4.4203 mL	8.8406 mL
10 mM	0.442 mL	2.2101 mL	4.4203 mL
50 mM	0.0884 mL	0.442 mL	0.8841 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

Schwartz JC, Cech TR, Parker RR. Biochemical Properties and Biological Functions of FET Proteins. *Annu Rev Biochem.* 2015;84:355-79. doi: 10.1146/annurev-biochem-060614-034325. Epub 2014 Dec 8. Review. PubMed PMID: 25494299.

Misch M, Guggemos A, Driever PH, Koch A, Grosse F, Steffen IG, Plotkin M, Thomale UW. (18)F-FET-PET guided surgical biopsy and resection in children and adolescence with brain tumors. *Childs Nerv Syst.* 2015 Feb;31(2):261-7. doi: 10.1007/s00381-014-2552-y. Epub 2014 Sep 18. PubMed PMID: 25231277.

Habermeier A, Graf J, Sandhöfer BF, Boissel JP, Roesch F, Closs EI. System L amino acid transporter LAT1 accumulates O-(2-fluoroethyl)-L-tyrosine (FET). *Amino Acids.* 2015 Feb;47(2):335-44. doi: 10.1007/s00726-014-1863-3. Epub 2014 Nov 11. PubMed PMID: 25385314.

Nedergaard MK, Michaelsen SR, Urup T, Broholm H, El Ali H, Poulsen HS, Stockhausen MT, Kjaer A, Lassen U. 18F-FET microPET and microMRI for anti-VEGF and anti-PlGF response assessment in an orthotopic murine model of human glioblastoma. *PLoS One.* 2015 Feb 13;10(2):e0115315. doi: 10.1371/journal.pone.0115315. eCollection 2015. PubMed PMID: 25680186; PubMed Central PMCID: PMC4332497.

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