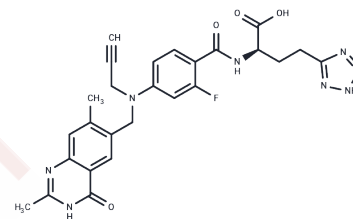


## (R)-Plevitrexed

## Chemical Properties

CAS No. :	153537-74-7
Formula:	C <sub>26</sub> H <sub>25</sub> FN <sub>8</sub> O <sub>4</sub>
Molecular Weight:	532.536
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	(R)-Plevitrexed is a less active enantiomer of Plevitrexed. Plevitrexed is an orally active and potent inhibitor of thymidylate synthase (TS).
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8778 mL	9.389 mL	18.7779 mL
5 mM	0.3756 mL	1.8778 mL	3.7556 mL
10 mM	0.1878 mL	0.9389 mL	1.8778 mL
50 mM	0.0376 mL	0.1878 mL	0.3756 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

Marsham PR, et al. Design and synthesis of potent non-polyglutamatable quinazoline antifolathymidylate synthase inhibitors. J Med Chem. 1999 Sep 23;42(19):3809-20.

Tochowicz A, et al. Development and binding mode assessment of N-[4-[2-propyn-1-yl]-(6S)-4,6,7,8-tetrahydro-2-(hydroxymethyl)-4-oxo-3H-cyclopenta[g]quinazolin-6-yl]amino]benzoyl]-L-γ-glutamyl-D-glutamic acid (BGC 945), a novel thymidylate synthase inhibitor that targets tumor cells. J Med Chem. 2013 Jul 11;56(13):5446-55.

**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