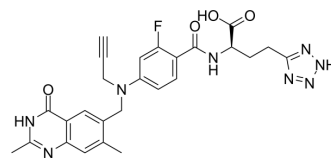


(R)-Plevitrexed

| | |
|--------------------|---|
| Cat. No.: | HY-13728A |
| CAS No.: | 153537-74-7 |
| Molecular Formula: | C ₂₆ H ₂₅ FN ₈ O ₄ |
| Molecular Weight: | 532.53 |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

(R)-Plevitrexed ((R)-ZD 9331; (R)-BGC9331) is a less active enantiomer of Plevitrexed^[1]. Plevitrexed is an orally active and potent thymidylate synthase (TS) inhibitor^[2].

REFERENCES

[1]. 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.

[2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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