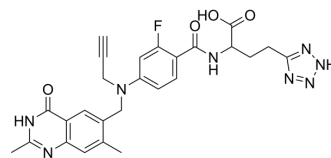


## (Rac)-Plevitrexed

Cat. No.:	HY-13728B
CAS No.:	153538-08-0
Molecular Formula:	C <sub>26</sub> H <sub>25</sub> FN <sub>8</sub> O <sub>4</sub>
Molecular Weight:	532.53
Target:	Thymidylate Synthase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(Rac)-Plevitrexed ((Rac)-ZD 9331; (Rac)-BGC9331) is a racemate of Plevitrexed. Plevitrexed is an orally active and potent thymidylate synthase (TS) inhibitor. (Rac)-Plevitrexed is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### 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.

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

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