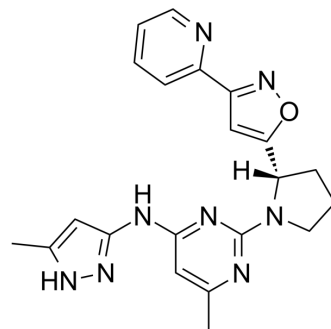


AZ12253801

Cat. No.:	HY-125102
CAS No.:	851432-37-6
Molecular Formula:	C ₂₁ H ₂₂ N ₈ O
Molecular Weight:	402.45
Target:	IGF-1R
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AZ12253801 is an ATP-competitive IGF-1R tyrosine kinase inhibitor that shows -10-fold selectivity over the insulin receptor. AZ12253801 inhibits IGF-1R-driven proliferation in 3T3 mouse fibroblasts (transfected with human IGF-1R) with an IC₅₀ of 17 nmol/L. The IC₅₀ for epidermal growth factor receptor (EGFR)-driven proliferation is 440 nmol/L. Anti-tumor activity.

REFERENCES

[1]. <https://aacrjournals.org/cancerres/article/70/16/6412/559448/Type-1-Insulin-like-Growth-Factor-Receptor>

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

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