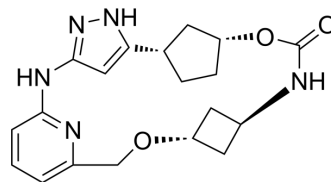


QR-6401

Cat. No.:	HY-153221
CAS No.:	2845096-18-4
Molecular Formula:	C ₁₉ H ₂₃ N ₅ O ₃
Molecular Weight:	369.42
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

QR-6401 is an orally active and selective macrocyclic CDK2 inhibitor with IC₅₀ values of 0.37, 10, 22, 34 and 45 nM for CDK2/E1, CDK9/T1, CDK1/A2, CDK6/D3 and CDK4/D1, respectively. QR-6401 has potent antitumor activity in an OVCAR3 ovarian cancer xenograft model. QR-6401 has the potential to be used in the study of cancer^[1].

REFERENCES

[1]. Yu Y, et al. Accelerated Discovery of Macrocyclic CDK2 Inhibitor QR-6401 by Generative Models and Structure-Based Drug Design. ACS Med Chem Lett. 2023 Feb 8;14(3):297-304.

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

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