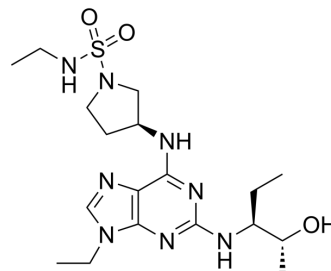


AZD8421

Cat. No.:	HY-158106
Molecular Formula:	C ₁₈ H ₃₂ N ₈ O ₃ S
Molecular Weight:	440.56
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AZD8421 is a selective CDK2 inhibitor (IC ₅₀ : 9 nM) with selectivity for CDK1, CDK4 and CDK6. AZD8421 inhibits cancer cell proliferation by inhibiting pRB phosphorylation, inducing cell cycle arrest and senescence. AZD8421 demonstrated promising single efficacy and synergy with CDK4/6 inhibitors such as Palbociclib (HY-50767) in in vivo breast and ovarian models. AZD8421 also has potent single-agent inhibitory activity against drug-resistant breast cancer cells.
IC ₅₀ & Target	CDK2 ^[1]

REFERENCES

[1]. Denz C R, et al. Targeting the cell cycle with AZD8421, a potent and highly selective CDK2 inhibitor[J]. Cancer Research, 2024, 84(6_Supplement): 5730-5730.

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

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