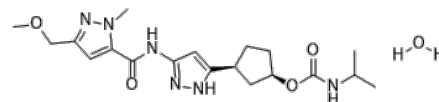


Product Name : Tagtociclib hydrate
Cat. No. : PC-24530
CAS No. : 2733575-91-0
Molecular Formula : C₁₉H₃₀N₆O₅
Molecular Weight : 422.49
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Tagtociclib hydrate (PF-07104091) is a highly potent CDK2-selective inhibitor with K_i of 1.16 nM, shows potential for the treatment of cyclinE-amplified cancers.

PF-07104091 displays 100-fold selectivity against CDK1, 200 to 400-fold selectivity against CDK4 and CDK6, 170-fold selectivity against CDK9, and greater than 500-fold selectivity against GSK3B.

PF-07104091 demonstrated a dose-dependent tumor growth reduction with 86 percent maximal effect in ovarian cancer model and demonstrated single-agent efficacy across multiple ovarian models.

References

Arora M, et al. Cell. 2023 Jun 8;186(12):2628-2643.e21.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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