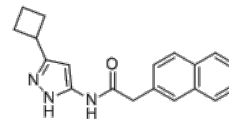


Product Name : CDK5 inhibitor 20-223
Cat. No. : PC-62573
CAS No. : 865317-30-2
Molecular Formula : C₁₉H₁₉N₃O
Molecular Weight : 305.381
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

CDK5 inhibitor 20-223 (CP 668863) potent, selective, ATP-competitive **CDK2/5** inhibitor with IC₅₀ of 6.0 and 8.8 nM for CDK2/CyclinE and CDK5/p35, with little to no activity against CDK1/4/6/7/9.

CDK5 inhibitor 20-223 decreases pRB (S807/811) and pFAK (S732) levels in CRC cell lines, effectively blocks the kinase activity of CDK2 and CDK5 in multiple CRC cell lines.

CDK5 inhibitor 20-223 reduces migration of CRC cells, reduces cell growth in a panel of human CRC cell lines with mean IC₅₀ of 362 nM.

CDK5 inhibitor 20-223 effectively slows tumor progression in mice models.

References

Robb CM, et al. *Oncotarget*. 2017 Dec 28;9(4):5216-5232.

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

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