# NVS-PAK1-C

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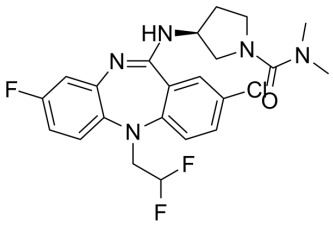
| **Cat. No.:** | HY-131043 |
| **CAS No.:** | 2250019-95-3 |
| **Molecular Formula:** | $C_{22}H_{23}ClF_3N_5O$ |
| **Molecular Weight:** | 465.9 |
| **Target:** | PAK |
| **Pathway:** | Cell Cycle/DNA Damage; Cytoskeleton |
| **Storage:** | Powder -20°C 3 years<br>In solvent -80°C 6 months<br>-20°C 1 month |




## BIOLOGICAL ACTIVITY

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| **Description** | NVS-PAK1-C is a potent, ATP-competitive and specific allosteric PAK1 inhibitor probe with $IC_{50}$ values of 5 nM and 6 nM for dephosphorylated PAK1 and phosphorylated PAK1, respectively. NVS-PAK1-C is also against dephosphorylated PAK2 ($IC_{50}$ =270 nM) and phosphorylated PAK2 ($IC_{50}$=720 nM)[1]. | | | |
| **$IC_{50}$ & Target** | PAK1<br>0.007 μM (Kd) | PAK2<br>0.4 μM (Kd) | PAK1<br>5 nM ($IC_{50}$) | PAK2<br>270 nM ($IC_{50}$) |
| **In Vitro** | NVS-PAK1-1 potently inhibits autophosphorylation of PAK1 (S144) at 0.25 μM in the Su86.86 cell line and MEK S289 phosphorylation with an $IC_{50}$=0.21 μM in Su86.86 cells in which PAK2 is downregulated[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. | | | |

## REFERENCES

[1]. NVS-PAK1-1 A Chemical Probe For PAK1



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