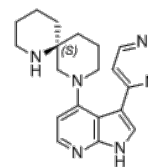


Product Name : BDP9066
Cat. No. : PC-63523
CAS No. : 2226507-04-4
Molecular Formula : C₂₀H₂₄N₆
Molecular Weight : 348.454
Target : ROCK
Solubility : 10 mM in DMSO



Biological Activity

BDP9066 (BDP-9066) is a highly potent and selective Myotonic dystrophy-related Cdc42-binding kinase **MRCK** inhibitor with IC₅₀ of 43 nM, >100-fold selectivity over related ROCK1 or ROCK2.

BDP9066 shows similar activity against MRCK α and MRCK β .

BDP9066 inhibits MLC2 phosphorylation (EC₅₀=64 nM) and blocks SCC12 squamous cell carcinoma motility and invasion.

BDP9066 reduces MRCK α S1003 autophosphorylation and skin papilloma outgrowth in chemical carcinogenesis model of murine squamous cell carcinoma.

References

Unbekandt M, et al. *Cancer Res.* 2018 Apr 15;78(8):2096-2114.

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

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