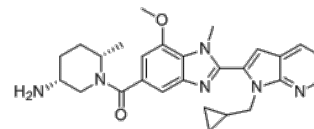


Product Name : BMS-P5
Cat. No. : PC-38089
CAS No. : 1550371-22-6
Molecular Formula : C₂₇H₃₂N₆O₂
Molecular Weight : 472.593
Target : Protein Arginine Deiminase (PAD)
Solubility : 10 mM in DMSO



Biological Activity

BMS-P5 is a potent, specific inhibitor of peptidylarginine deiminase 4 (**PAD4**) with IC₅₀ of 98 nM.

BMS-P5 is selective for PAD4 over PAD1, -2, and -3 (IC₅₀s >10 μM).

BMS-P5 inhibits PAD4 and prevents mouse myeloma-induced NET formation, prevents NETosis induced by human myeloma cells.

BMS-P5 significantly reduces plasma levels of cell-free DNA, exhibits anti-tumor effect in a syngeneic mouse model of multiple myeloma.

References

Marina Li, et al. *Mol Cancer Ther.* 2020 Jul;19(7):1530-1538.

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

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