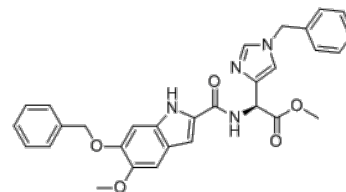


Product Name : BMS-466442
Cat. No. : PC-36150
CAS No. : 1598424-76-0
Molecular Formula : C₃₀H₂₈N₄O₅
Molecular Weight : 524.577
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

BMS-466442 (BMS466442) is small molecule inhibitor of the Alanine-Serine-Cysteine-1 transporter (**ASC-1, SLC7A10**), selectively inhibits ASC-1 mediated D-serine uptake in human asc-1 expressing cells and primary cultures with IC₅₀ of 36.8 and 19.7 nM, respectively.

BMS-466442 inhibited ASC-1 but was not a competitive substrate for this transporter.

BMS-466442 is the first reported selective inhibitor of the ASC-1 transporter.

References

Brown JM, et al. *J Neurochem*. 2014 Apr;129(2):275-83.

Torreillas IR, et al. *ACS Chem Neurosci*. 2019 Mar 14. doi: 10.1021/acscchemneuro.9b00019.

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

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