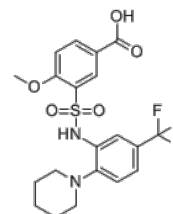


Product Name : ERAP1 inhibitor 3
Cat. No. : PC-72272
CAS No. : 865273-97-8
Molecular Formula : C₂₀H₂₁F₃N₂O₅S
Molecular Weight : 458.452
Target : Aminopeptidase
Solubility : 10 mM in DMSO



Biological Activity

ERAP1 inhibitor 3 (ERAP1-IN-1) is a selective, small molecule inhibitor of **ERAP1** with IC₅₀ of 0.4 μM, displays no inhibitory effect against its paralogues ERAP2 and IRAP.

ERAP1 inhibitor 3 allosterically activates ERAP1's hydrolysis of fluorogenic and chromogenic amino acid substrates but competitively inhibits its activity toward a nonamer peptide representative of physiological substrates.

ERAP1 inhibitor 3 inhibited antigen presentation in a cellular assay.

Compound 3 displays higher potency for an ERAP1 variant associated with increased risk of autoimmune disease.

References

Zachary Maben, et al. *J Med Chem.* 2020 Jan 9;63(1):103-121.

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

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