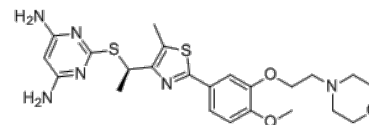


Product Name : DI-87
Cat. No. : PC-38835
CAS No. : 2107280-55-5
Molecular Formula : C₂₃H₃₀N₆O₃S₂
Molecular Weight : 502.652
Target : Nucleoside Antimetabolite/Analog
Solubility : 10 mM in DMSO



Biological Activity

DI-87 ((R)-DI-87, TRE-515) is a highly potent, specific, orally bioavailable **deoxycytidine kinase** (dCK) inhibitor with IC₅₀ of 3.15 nM.

(R)-DI-87 treatment rescued CEM cells from the anti-proliferative effects of gemcitabine, a dCK-dependent nucleoside analog prodrug, with an EC₅₀ of 10.2 nM.

(R)-DI-87 is a promising new compound for use in combination therapy against tumors expressing dCK.

References

Soumya Poddar, et al. *Biochem Pharmacol.* 2020 Feb;172:113742.

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

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