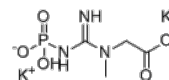


Product Name : Cyclocreatine Phosphate
Cat. No. : PC-61918
CAS No. : 18838-38-5
Molecular Formula : C₄H₈N₃O₅P • 2K
Molecular Weight : 287.3
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Cyclocreatine Phosphate (AM 285) is an analog of the creatine kinase CKMT1 substrate creatine and inhibitor of the **creatine biosynthesis** pathway.

Cyclocreatine Phosphate (AM 285) decreases intracellular ATP level, suppresses arginine-creatine metabolism, selectively decreases the viability, promotes cell cycle arrest and apoptosis of human EVI1-positive AML cells.

Cyclocreatine Phosphate (AM 285) prolongs survival in human orthotopic and mouse primary AML models.

References

Woznicki DT, et al. *J Neurochem.* 1988 May;50(5):1640-7.

Turner DM, et al. *J Biol Chem.* 1987 May 15;262(14):6605-9.

Griffiths GR, et al. *J Biol Chem.* 1976 Apr 10;251(7):2049-54.

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

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