

Product Datasheet

Sodium creatine phosphate dibasic tetrahydrate (orb1302603)

Catalog Number	orb1302603
Category	Small Molecules
Description	Creatine phosphate disodium salt tetrahydrate is a key phosphagen found in vertebrate skeletal muscle. It serves as an essential substrate for creatine kinase assays and is widely used in vitro to study ATP regeneration mechanisms relevant to muscle physiology and bioenergetics research.
Target	Endogenous Metabolite
Purity	97.21% (May vary between batches)
MW	327.14
Target Areas	Endogenous Metabolite
Solubility (25°C)	DMSO:Slightly soluble
CAS Number	71519-72-7
Formula	$C_4H_{16}N_3Na_2O_9P$
SMILES	<chem>O=C(CN(C)C(NP(O)([O-])=O)=N)[O-].[Na+].O.[Na+].O.O.O</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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