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DATASHEET

O-Phospho-L-serine

Product overview

Name	O-Phospho-L-serine
Cat No	HB0475
Alternative names	L-SOP
Biological action	Agonist
Purity	>98%
Description	Group III mGlu agonist. Increases stem cell neurogenesis.

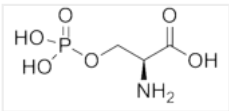
Biological Data

Biological description	Group III mGluR agonist. More potent than glutamate at mGluR ₄ . Increases stem cell neurogenesis by upregulating the mTOR pathway. Potentially shows neuroprotective effects in Parkinson's models.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	L-Serine-O-phosphate
Molecular Weight	185.07
Chemical structure	
Molecular Formula	C ₃ H ₈ NO ₆ P
CAS Number	407-41-0
PubChem identifier	68841
SMILES	[H][C@@](COP(=O)(O)O)(N)C(=O)O
InChiKey	BZQFBWGGGLXLEPQ-REOHCLBHSA-N