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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 mGluR₄. Increases stem cell neurogenesis by

upregulating the mTOR pathway. Potentially shows neuroprotective effects in Parkinson's models.

Solubility & Handling

Solubility overview Soluble in water (100mM)
Storage instructions Room temperature

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

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

SMILES [H][C@@](COP(O)(O)=O)(N)C(O)=O InChiKey BZQFBWGGLXLEPQ-REOHCLBHSA-N