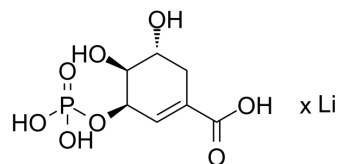


Shikimate-3-phosphate lithium

Cat. No.:	HY-N11409A
Molecular Formula:	C ₇ H ₁₁ O ₈ P.xLi
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description

Shikimate-3-phosphate lithium is the salt form of Shikimate-3-phosphate. Shikimate-3-phosphate lithium is a central microbial, parasite and plant metabolite, as a product of the shikimate kinase-catalysed reaction. Shikimate-3-phosphate lithium serves as an enzyme substrate for 5-enolpyruvoyl-shikimate 3-phosphate synthase, which is a target of anti-infectives and of herbicides^[1].

REFERENCES

[1]. Schoenenberger B, et al., 10.5 Shikimate Kinase-Catalysed Phosphorylations and Synthesis of Shikimic Acid 3-Phosphate by AroL-Catalysed Phosphorylation of Shikimic Acid[J]. Applied Biocatalysis, 2021, 103: 386.

Caution: Product has not been fully validated for medical applications. For research use only.

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