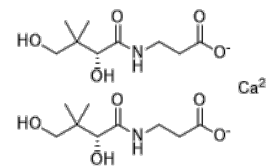


Product Name : Vitamin B5 calcium
Cat. No. : PC-24245
CAS No. : 137-08-6
Molecular Formula : C₁₈H₃₂CaN₂O₁₀
Molecular Weight : 476.54
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Vitamin B5 calcium (VB5) is a small molecule inhibitor of Golgi phosphoprotein 3 like (GOLPH3L) with K_d of 1.15 μM in ITC assays, effectively blocks the binding of GOLPH3L and STING, subsequently promoting STING-NLRP3-mediated pyroptosis after radiotherapy (RT).

VB5 improved the therapeutic efficacy of RT and immune checkpoint blockade by inducing a robust antitumor immune response in mouse models.

References

Sun S, et al. Sci Transl Med. 2025 Mar 5;17(788):eado0020.

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

E-mail: tech@probechem.com