

Legumin

Chemical Properties

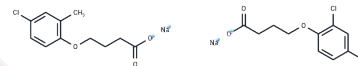
CAS No. : 8065-16-5

Formula: C₂₁H₂₁Cl₃Na₂O₆

Molecular Weight: 521.73

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Legumin is a herbicide, which is a mixture of Embutone and Tropotox.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9167 mL	9.5835 mL	19.167 mL
5 mM	0.3833 mL	1.9167 mL	3.8334 mL
10 mM	0.1917 mL	0.9584 mL	1.9167 mL
50 mM	0.0383 mL	0.1917 mL	0.3833 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Jarpa-Parra M, Bamdad F, Tian Z, Zeng H, Temelli F, Chen L. Impact of pH on molecular structure and surface properties of lentil legumin-like protein and its application as foam stabilizer. *Colloids Surf B Biointerfaces*. 2015 Aug 1;132:45-53. doi: 10.1016/j.colsurfb.2015.04.065. Epub 2015 May 11. PubMed PMID: 26005930.
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- Bar-El Dadon S, Pascual CY, Eshel D, Teper-Bamnolker P, Ibáñez MD, Reifen R. Vicilin and the basic subunit of legumin are putative chickpea allergens. *Food Chem*. 2013 May 1;138(1):13-8. doi: 10.1016/j.foodchem.2012.10.031. Epub 2012 Nov 2. PubMed PMID: 23265449.
- Sharma GM, Irsigler A, Dhanarajan P, Ayuso R, Bardina L, Sampson HA, Roux KH, Sathe SK. Cloning and characterization of an 11S legumin, Car i 4, a major allergen in pecan. *J Agric Food Chem*. 2011 Sep 14;59(17):9542-52. doi: 10.1021/jf2017447. Epub 2011 Aug 4. PubMed PMID: 21718052.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481