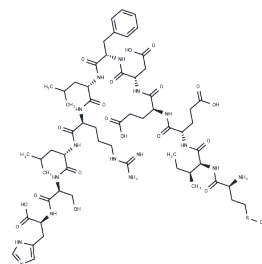


PHYD protein, Arabidopsis

Chemical Properties

CAS No. :	158379-16-9
Formula:	C61H96N16O19S
Molecular Weight:	1389.58
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PHYD protein, Arabidopsis belongs to the phytochrome apoprotein family in Arabidopsis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7196 mL	3.5982 mL	7.1964 mL
5 mM	0.1439 mL	0.7196 mL	1.4393 mL
10 mM	0.072 mL	0.3598 mL	0.7196 mL
50 mM	0.0144 mL	0.072 mL	0.1439 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

Sánchez-Lamas M, Lorenzo CD, Cerdán PD. Bottom-up Assembly of the Phytochrome Network. *PLoS Genet.* 2016 Nov 7;12(11):e1006413. doi: 10.1371/journal.pgen.1006413. eCollection 2016 Nov. PubMed PMID: 27820825; PubMed Central PMCID: PMC5098793.

Hu W, Franklin KA, Sharrock RA, Jones MA, Harmer SL, Lagarias JC. Unanticipated regulatory roles for Arabidopsis phytochromes revealed by null mutant analysis. *Proc Natl Acad Sci U S A.* 2013 Jan 22;110(4):1542-7. doi: 10.1073/pnas.1221738110. Epub 2013 Jan 9. PubMed PMID: 23302690; PubMed Central PMCID: PMC3557068.

Christians MJ, Gingerich DJ, Hua Z, Lauer TD, Vierstra RD. The light-response BTB1 and BTB2 proteins assemble nuclear ubiquitin ligases that modify phytochrome B and D signaling in Arabidopsis. *Plant Physiol.* 2012 Sep;160(1):118-34. doi: 10.1104/pp.112.199109. Epub 2012 Jun 25. PubMed PMID: 22732244; PubMed Central PMCID: PMC3440189.

Iñigo S, Alvarez MJ, Strasser B, Califano A, Cerdán PD. PFT1, the MED25 subunit of the plant Mediator complex, promotes flowering through CONSTANS dependent and independent mechanisms in Arabidopsis. *Plant J.* 2012 Feb;69(4):601-12. doi: 10.1111/j.1365-313X.2011.04815.x. Epub 2011 Nov 16. PubMed PMID: 21985558.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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