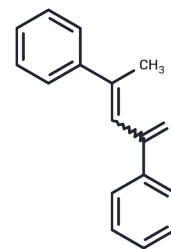


Dyprone

Chemical Properties

CAS No. :	495-45-4
Formula:	C ₁₆ H ₁₄ O
Molecular Weight:	222.287
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	Dyprone is a liquid ketone used as a plasticizer.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4986 mL	22.4931 mL	44.9863 mL
5 mM	0.8997 mL	4.4986 mL	8.9973 mL
10 mM	0.4499 mL	2.2493 mL	4.4986 mL
50 mM	0.090 mL	0.4499 mL	0.8997 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

- Deng K, Huai QY, Shen ZL, Li HJ, Liu C, Wu YC. Rearrangement of dyprones to 1,3,5-triarylbenzenes. *Org Lett.* 2015 Mar 20;17(6):1473-6. doi: 10.1021/acs.orglett.5b00353. Epub 2015 Mar 5. PubMed PMID: 25740008.
- Prescott B. Thiosemicarbazones and hydrazones of alpha-methylchalcone as potential chemotherapeutic agents. *Int J Clin Pharmacol Biopharm.* 1975 Jun;11(4):332-5. PubMed PMID: 1099024.
- Colwell WT, Chan GW, Horner JK, Parkhurst RM, Henry DW. Preparation and antimalarial activity of compounds related to dyprone guanylhydrazone. *J Med Chem.* 1971 Jan;14(1):70-2. PubMed PMID: 5539756.

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