

Product datasheet

1,2-Distearoyl-sn-glycero-3-phosphorylglycerol sodium salt (DSPG), Phosphorylglycerol ab143954

[1 Image](#)

Overview

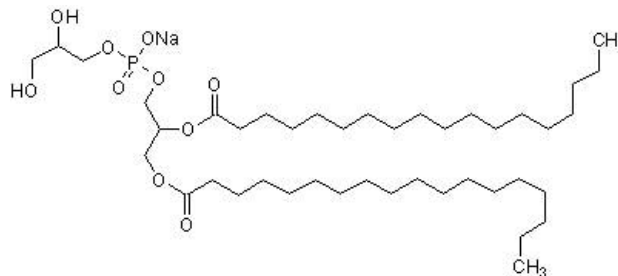
Product name	1,2-Distearoyl-sn-glycero-3-phosphorylglycerol sodium salt (DSPG), Phosphorylglycerol
Description	Phosphorylglycerol acylated with stearic acid
Biological description	Phosphorylglycerol acylated with stearic acid. Enhances respiratory mucus clearance in cystic fibrosis. For use in phospholipid studies and biological systems.

See similar compounds

Purity > 98%

CAS Number 4537-78-4

Chemical structure



Properties

Chemical name	2,3-Dihydroxypropyl 2,3-di(octadecanoyloxy)propyl phosphate sodium salt
Molecular weight	801.07
Molecular formula	C ₄₂ H ₈₂ NaO ₁₀ P
PubChem identifier	23667786
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

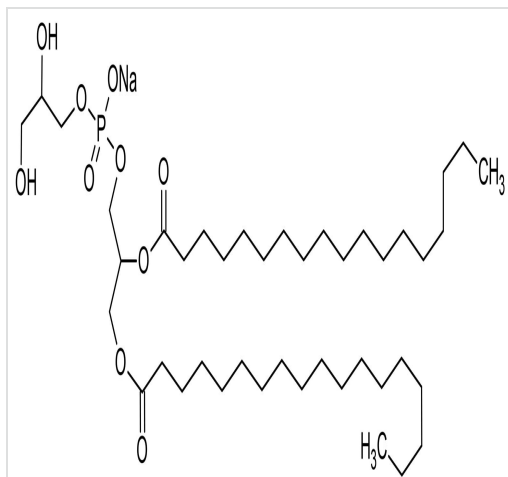
SMILES

CCCCCCCCCCCCCCCC(=O)OCC(COP(=O)([O-])OCC(CO)O)OC(=O)CCCCCCCCCCCCCCCC.[Na+]

Source

Synthetic

Images



2D chemical structure image of ab143954, 1,2-Distearoyl-sn-glycero-3-phosphorylglycerol sodium salt (DSPG), Phosphorylglycerol

Chemical Structure - 1,2-Distearoyl-sn-glycero-3-phosphorylglycerol sodium salt (DSPG), Phosphorylglycerol (ab143954)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team