Europa Bioproducts Ltd

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Dithiobis(succinimidyl octanoate)

Item #	Unit Size
D538-10	10 mg
D538-12	50 mg

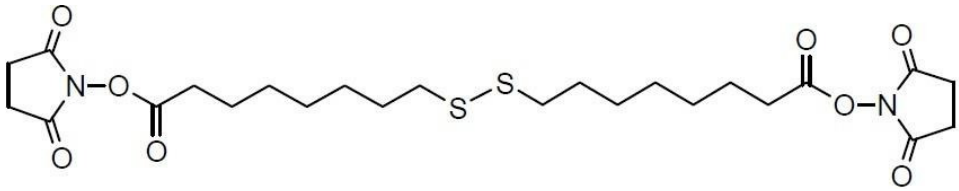
Chemical Name: Dithiobis(1-succinimidyl octanoate)
Appearance: White powder
Purity: ≥90.0% (HPLC) MW:
544.68, $C_{24}H_{36}N_2O_8S_2$
Application: SAM preparation, amine reactive group coating

Storage Condition: 0-5°C, protect from moisture
Shipping Condition: ambient temperature

Product Description of Succinimidyl Alkanedisulfides

Succinimidyl ester-terminated alkyldisulfides are amine-reactive analogs of carboxyalkyldisulfide. They are utilized for the modification of a gold surface to introduce amine-reactive sites on the surface. It is possible to use this technique for protein chips and various sensors. There is no need to use coupling agents because these compounds are already activated. Wagner and others characterized dithiobis(succinimidyl undecanoate) SAMs on a gold substrate by scanning tunneling microscopy (STM), radiolabeling and in situ AFM imaging. The densely packed and highly reactive surfaces allowed them to easily immobilize amino acids and proteins.

Structural Formula



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