Product datasheet

Sulfo-NHS (sulfo-N-hydroxysuccinimide) ab145608

Overview

Product name  
Sulfo-NHS (sulfo-N-hydroxysuccinimide)

Description  
Carboxylate-primary amine chemical modification reagent

Biological description  
Carboxylate-primary amine chemical modification reagent. Converts carboxyl groups to amine-reactive NHS esters for bioconjugation, crosslinking, labeling and immobilization methods. Increases the efficiency of EDC-mediated coupling reactions.

Purity  
> 95%

Properties

Chemical name  
1-Hydroxy-2,5-dioxopyrrolidine-3-sulfonate sodium salt

Molecular weight  
217.13

Chemical structure

Molecular formula  
C_{4}H_{4}N_{2}NaO_{6}S

CAS Number  
106627-54-7

PubChem identifier  
3520574

Storage instructions  
Store at +4°C. The product can be stored for up to 12 months.

Solubility overview  
Soluble in water to 5 mM

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  
C1C(C(=O)=O)N(C1=O)O[S(=O)(=O)=O-][Na+]

Source  
 Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
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