SFB Conjugation Reagent, 20 mg

Couplage conjugation chemistry

Name:		**Catalog #:** CL1004a	**Size:** 5 x 4 mg
Source: chemicals		**Lot #:**	**Concentration:**

Background: SFB (succinimidyl 4-formylbenzoate) is available to incorporate benzaldehyde moieties on biomolecules and surfaces by using the Couplage Bioconjugation System. The hydrazine group in SANH (succinimidyl 6-hydrazinonicotinate acetone hydrazone) is protected as its acetone hydrazone. This alkyl hydrazone is not stable in mild acid and rapidly exchanges with an aromatic aldehyde during conjugation, yielding a stable bis-aromatic hydrazone. Couplage is a novel bioconjugation system using the HydraLink technology for the conjugation and immobilization of peptides, proteins, carbohydrates and DNA/RNA. The conjugation chemistry is simple to perform, stable in solution, highly selective for heteroconjugation, and does not lead to non-specific conjugation. Moreover, biomolecules with reactive moieties can be prepared ahead of time, stored, and used as needed for subsequent conjugations, making the

Accession #:

Other Name: succinimidyl 4-formylbenzoate

Molecular Weight: 247.1 g/mol

Specificity:

Applications:

Incorporation of benzaldehyde moieties on proteins or other amine containing m

Isotype:

Description:

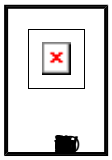
Storage: Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at

Format: white powder

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HydraLink technology superior to current methods of bioconjugation such as maleimide/thiol and avidin/biotin.

Keywords:
conjugation, crosslinking, immobilization, labeling, hydrazine, benzaldehyde, nicotinamide, benzamide, SANH, SHTH, SFB, Couplage



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