

Product Data Sheet

Product Name: BS3 Crosslinker
Cat. No.: GC67489

Chemical Properties

Cas. No. 82436-77-9

Formula $C_{16}H_{20}N_2O_{14}S_2$ M.Wt 528.47

Solubility Storage Store at $-20^{\circ}C$, protect from light

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Protocol

1.

1.

2.

Ca^{2+} Mg^{2+} PBS BSA $2\mu g/ml$ EGF $20ng/ml$ galectin-3 $2\mu g/ml$ galectin-3C $2\mu g/ml$ 10min $37^{\circ}C$ $5\%CO_2$

3.

Ca^{2+} Mg^{2+} PBS 3mM BS3 Crosslinker Ca^{2+} Mg^{2+} PBS 20min

4.

250mM PBS $4^{\circ}C$ 5min BS3 Crosslinker PBS SDS EGFR

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

[1] Piyush T, Chacko AR, Sindrewicz P, et al. Interaction of galectin-3 with MUC1 on cell surface promotes EGFR dimerization and activation in human epithelial cancer cells. *Cell Death Differ.* 2017 Nov;24(11):1937-1947.

Background

BS3 Crosslinker is a water-soluble, amine-reactive homobifunctional crosslinker. BS3 Crosslinker is commonly used for crosslinking between proteins and is suitable for studying protein structure, preparing immunogens, and creating probes for Western blotting and ELISA^[1].

References:

[1] Alegria-Schaffer A. General protein-protein cross-linking. *Methods Enzymol.* 2014;539:81-7.

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