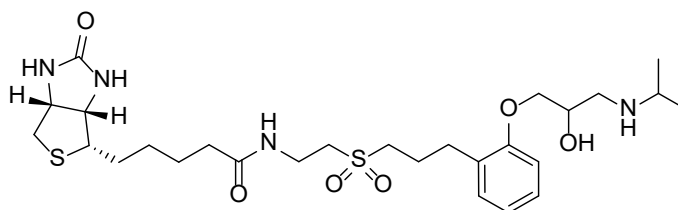


### Biotin-Alprenolol Conjugate

Lyophilized powder or oil film, 1 mg per tube, ≥95%

Product Number: **CM61002**



### Product Description

Alprenolol is an antagonist for  $\beta_1$  and  $\beta_2$  adrenergic receptors. This biotin-alprenolol conjugate is first designed and synthesized at CellMosaic® for our customers' usage of detecting  $\beta$ -AR. Alprenolol is derivatized with a cysteamine linkage first at a position that is known to not interfere with the receptor binding, then reacts with biotin NHS ester to form the conjugate.

The product is sold as 1 vial of 1 mg (Cat#: CM61002-1MG), 5 vials of 1 mg (Cat#: CM61002-5MG), or 10 vials of 1 mg (Cat#: CM61002-10MG). For bulk orders, please contact us for a quote.

### Application

- Assay development for the quantitation and detection of  $\beta$ -adrenergic receptor.
- Indirect and competitive ELISA assay.

### Chemical Information

- **Chemical Name:** Biotin–Alprenolol Conjugate
- **Chemical Formula:**  $C_{27}H_{44}N_4O_6S_2$
- **Molecular Weight:** 584.79 Da    **CAS Number:** N/A

### Specification

- **Physical Appearance:** lyophilized powder or oil film
- **Storage Temp:** -20°C.
- **Purity:** ≥95%

### Applications by Customer

1. Rose, J. A.; Wanner, N.; Cheong, H. I.; Queisser, K.; Barrett, P.; Park, M.; Hite, C.; Prasad, S. V. N.; Erzurum, S.; Asosingh, K. PLoS One 2016, 11, e0156940.