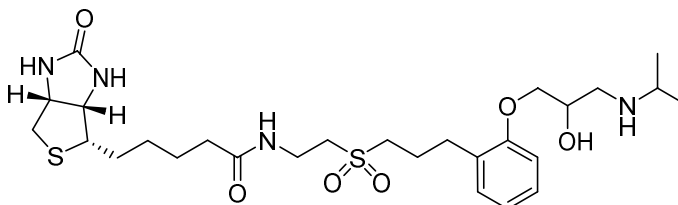


Biotin-Alprenolol Conjugate

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

Product Number: **CM61002**



Product Description

Alprenolol is an antagonist for β_1 and β_2 adrenergic receptors. This biotin-alprenolol conjugate is first designed and synthesized at CellMosaic® for our customers' usage of detecting β -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 β -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.