

Product Data Sheet

Product Name: Cobomarsen

Cat. No.: GC64498

Chemical Properties

Cas. No. 1848257-52-2

Formula M.Wt 4736

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

Cobomarsen

Background

Cobomarsen (MRG-106) is an oligonucleotide inhibitor of miR-155. Cobomarsen inhibits multiple gene pathways associated with cell survival (including JAK/STAT, MAPK/ERK and PI3K/AKT). Cobomarsen can be used for the research of B-cell lymphoma[1][2].

Cobomarsen (10 µM; 48-96 h) reduces cell proliferation and induces apoptosis in U2932, OCI-LY3, and RCK8 cells[2]. Cobomarsen (10 µM; 72 h) significantly increases the expression of the four direct targets in the cell lines that overexpress miR-155[1]. Cobomarsen (10 µM; 12 days) reduces cellular

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

Product Data Sheet

proliferation and induces apoptosis in MF and HTLV-1+ CTCL cells[1]. Cobomarsen (10-50 μ M; 7 days) reduces phosphorylation of the downstream signalling proteins AKT, ERK1/2, and STAT-3 in primary human activated T cells or MF cell lines[1].

Cobomarsen (1 mg/kg; i.v. on days 0, 2, 4, and 7) inhibits tumor growth in mice carrying U2932 cells xenografts[2].

[1]. Seto AG, et, al. Cobomarsen, an oligonucleotide inhibitor of miR-155, co-ordinately regulates multiple survival pathways to reduce cellular proliferation and survival in cutaneous T-cell lymphoma. Br J Haematol. 2018 Nov;183(3):428-444.

[2]. Anastasiadou E, et, al. Cobomarsen, an Oligonucleotide Inhibitor of miR-155, Slows DLBCL Tumor Cell Growth In Vitro and In Vivo. Clin Cancer Res. 2021 Feb 15;27(4):1139-1149.

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