

Product Data Sheet

Product Name: Mongersen

Cat. No.: GC65585

Chemical Properties

Cas. No. 1443994-46-4

Formula M.Wt 6584

Solubility H₂O : 20 mg/mL (3.04 mM; Need ultrasonic) Storage -20°C, away from moisture

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

Mongersen

Background

Mongersen (GED-0301) is a specific and orally active SMAD7 antisense oligonucleotide. Mongersen restores TGF-β1 activity leading to inhibition of inflammatory signals. Mongersen can attenuate Crohn's disease-like experimental colitis in mice[1][2].

Mongersen (125 µg/mouse; p.o. twice a week for 3 weeks) reduces TNBS- or DSS-induced colonic inflammation and colonic fibrosis of mice[2].

[1]. Monteleone G, et, al. Mongersen, an oral SMAD7 antisense oligonucleotide, and Crohn's

Caution: Product has not been fully validated for medical applications. For research use only.

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disease. N Engl J Med. 2015 Mar 19;372(12):1104-13.

[2]. Izzo R, et, al. Knockdown of Smad7 With a Specific Antisense Oligonucleotide Attenuates Colitis and Colitis-Driven Colonic Fibrosis in Mice. Inflamm Bowel Dis. 2018 May 18;24(6):1213-1224.

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