

Product Data Sheet

Product Name: RBP4 inhibitor 1

Cat. No.: GC70877

Chemical Properties

Cas. No. 1198180-03-8

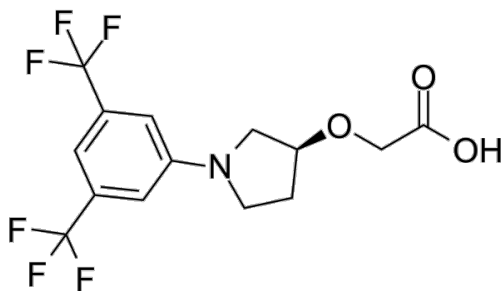
Formula $C_{14}H_{13}F_6NO_3$ M.Wt 357.25

Solubility DMSO : 250 mg/mL (699.79 mM; Storage
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

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



Background

RBP4 inhibitor 1 (compound 43b) is a potent and orally active retinol-binding protein 4 (RBP4) inhibitor with IC₅₀s of 28 nM and 110 nM for human and mouse RBP4. RBP4 inhibitor 1 has a potent and long-lasting blood RBP4-level-reducing effect in mice.

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

References:

[1]. Shinji Nakamura, et al. Discovery of phenylpyrrolidine derivatives as a novel class of retinol binding protein 4 (RBP4) reducers. Bioorg Med Chem. 2022 Jan 15;54:116553.

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