

Product Data Sheet

Product Name: Integrin modulator 1

Cat. No.: GC61613

Chemical Properties

Cas. No. 2023788-32-9

SMILES O=C(CC(N1C(NC2=CC=CC=C2C)=O)CC1=O)O

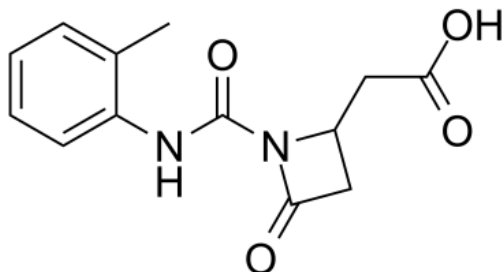
Formula $C_{13}H_{14}N_2O_4$ M.Wt 262.26

Solubility DMSO: 100 mg/mL (381.30 mM) Storage 4°C, away from moisture and light

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

Integrin modulator 1 is a potent and selective $\alpha 4\beta 1$ integrin agonist, with an IC_{50} of 9.8 nM for RGD-binding $\alpha 4\beta 1$. Integrin modulator 1 increases cell adhesion mediated by $\alpha 4\beta 1$ integrin, with an EC_{50} of 12.9 nM[1].

Integrin modulator 1 (2-10 μ g/mL; 30 min) significantly increases Jurkat E6.1 cell adhesion[1]. Integrin modulator 1 (1-100 nM; 1 h) strongly and significantly increases ERK1/2 phosphorylation in Jurkat E6.1 cells[1]. Integrin modulator 1 (1 nM-10 μ M; 30 min) significantly increases the binding of HUTS-

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

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21 antibody to Jurkat E6.1 cells in a concentration-dependent manner[1].

[1]. Baiula M, et, al. New β -Lactam Derivatives Modulate Cell Adhesion and Signaling Mediated by RGD-Binding and Leukocyte Integrins. J Med Chem. 2016 Nov 10;59(21):9721-9742.

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