

Product Data Sheet

Product Name: RO0270608

Cat. No.: GC62397

Chemical Properties

Cas. No. 220846-33-3

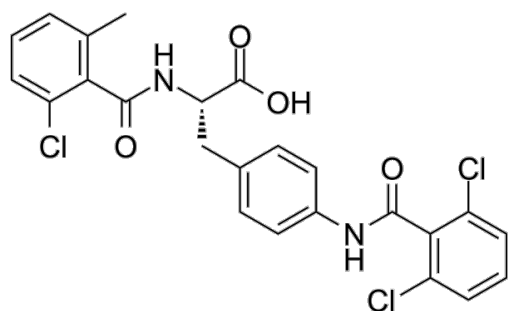
Formula $C_{24}H_{19}Cl_3N_2O_4$ M.Wt 505.78

Solubility DMSO : 12.5 mg/mL (24.71 mM); ultrasonic and warming and heat to 60°C) 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



Background

RO0270608, the active metabolite of R411, is a dual $\alpha_4\beta_1$ - $\alpha_4\beta_7$ ($\alpha_4\beta_1/\alpha_4\beta_7$) integrin antagonist. Antiinflammatory activity[1][2].

RO0270608 inhibits α_4/β_7 mediated cell adhesion with an IC_{50} of 33 nM. In a human T-cell VCAM/anti CD3 costimulation assay RO0270608 causes a pronounced inhibition of T-cell proliferation ($IC_{50}=30$ nM)[2].

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

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In a murine OVA-model of airway inflammation, RO0270608 i.n. abolishes allergen-induced inflammatory cell accumulation[2]

[1]. Hijazi Y, et al. Pharmacokinetics, safety, and tolerability of R411, a dual $\alpha4\beta1$ - $\alpha4\beta7$ integrin antagonist after oral administration at single and multiple once-daily ascending doses in healthy volunteers. J Clin Pharmacol. 2004;44(12):1368-1378.

[2]. M. Renzetti, et al. Dual $\alpha4/\beta1$ - $\alpha4/\beta7$ vs $\alpha4/\beta1$ selective antagonism is required for attenuation of allergic inflammatory responses. Journal of Allergy and Clinical Immunology. Volume 113, Issue 2, Supplement, February 2004, Page S221.

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