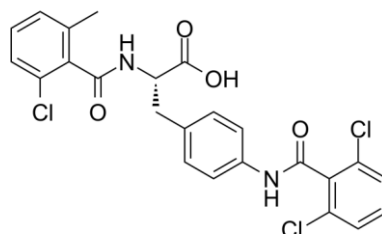


RO0270608

Product Code: F278272
 CAS No.: 220846-33-3
 Mol. Weight: C24H19Cl3N2O4
 Mol. Formula: 505.78
 Storage Temp: Powder: -20°C, 36 months; 4°C, 24 months
 In solvent: -80°C, 6 months; -20°C, 1 month
 Target: Integrin
 Pathway: Cytoskeleton



Biological Activity

制备储备液:

溶剂体积 浓度	质量	1 mg	5 mg	10 mg
1 mM		1.9771 mL	9.8857 mL	19.7714 mL
5 mM		0.3954 mL	1.9771 mL	3.9543 mL
10 mM		0.1977 mL	0.9886 mL	1.9771 mL

Bioactive: RO0270608, the active metabolite of R411, is a dual $\alpha 4 \beta 1 / \alpha 4 \beta 7$ integrin antagonist. Antiinflammatory activity.

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

In Vitro: RO0270608 inhibits $\alpha 4 / \beta 7$ mediated cell adhesion with an IC₅₀ of 33 nM. In a human T-cell VCAM/anti CD3 costimulation assay RO0270608 causes a pronounced inhibition of T-cell proliferation (IC₅₀=30 nM).



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