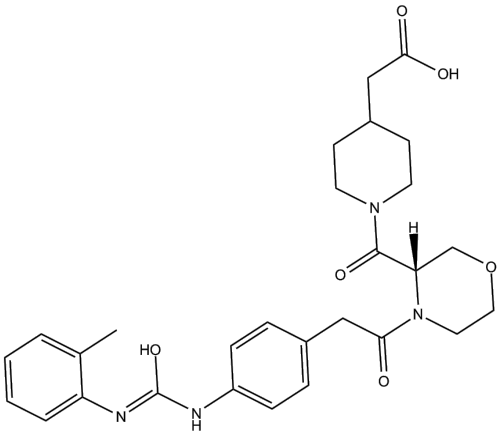
Product Data Sheet

Product Name: TCS 2314
Cat. No.: GC18025

Chemical Properties

Cas. No.	317353-73-4		
Chemical Name	(S,Z)-2-(1-(4-(2-(4-((hydroxy(o-tolylimino)methyl)amino)phenyl)acetyl)morpholine-3-carbonyl)piperidin-4-yl)acetic acid		
SMILES	CC1=CC=CC=C1/N=C(O)/NC2=CC=C(CC(N3CCOC[C@@]3([H])C(N4CCC(CC(O)=O)CC4)=O)=O)C=C2		
Formula	$C_{28}H_{34}N_4O_6$	M.Wt	522.59
Solubility	<52.26mg/ml in DMSO; <26.13mg/ml in ethanol	Storage	Store at RT
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

TCS 2314 (compound 3) is orally active and selective very late antigen-4 (VLA-4, α4β1, CD49d/CD29) antagonist with an IC50 of 4.4 nM[1].

References:

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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[1]. Muro F, et al. Discovery of trans-4-[1-[[2,5-Dichloro-4-(1-methyl-3-indolylcarboxamido)phenyl]acetyl]-(4S)-methoxy-(2S)-pyrrolidinylmethoxy]cyclohexanecarboxylic acid: an orally active, selective very late antigen-4 antagonist. J Med Chem. 2009 Dec 24;52(24):7974-92.

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