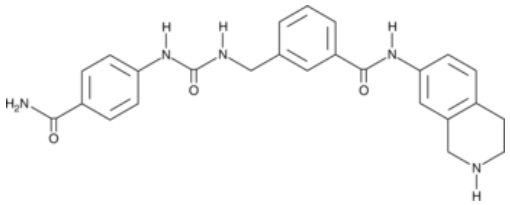
Product Data Sheet

Product Name: CAY10622
Cat. No.: GC43184

Chemical Properties

Cas. No.	1038549-25-5		
SMILES	NC(C1=CC=C(NC(NCC2=CC(C(NC3=CC(CNCC4)=C4C=C3)=O)=CC=C2)=O)C=C1)=O		
Formula	C25H25N5O3	M.Wt	443.5
Solubility	DMSO: 0.15 mg/ml	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

Two Rho-associated kinases (ROCK), ROCK-I and ROCK-II, act downstream of the G protein Rho to regulate cytoskeletal stability. The ROCKs play important roles in diverse cellular functions including cell adhesion and proliferation, smooth muscle contraction, and stem cell renewal. CAY10622 is a potent, ureidobenzamide inhibitor of ROCK-I and ROCK-II kinases with IC50 values of 6 and 4 nM, respectively. It is inactive (showing greater then 100-fold selectivity) against an additional 44 kinases.

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