Product Data Sheet

Product Name: PQ 69
Cat. No.: GC50149

Chemical Properties

Cas. No.	910045-32-8		
SMILES	O=C1N(C4=CC(F)=CC=C4)NC2=C1C(NCCCC)=NC3=C2C=CC=C3		
Formula	$C_{20}H_{19}FN_4O$	M.Wt	350.39
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	PQ 69		

Background

Potent and selective A1 receptor inverse agonist. Exhibits high binding affinity at A1 receptor (Ki values are 0.07 and 0.96 nM for rat and human receptors respectively). Reduces basal [35S]-GTPγS binding 44.6% (IC50 = 0.19 nM). Antagonizes the effects of A1 agonist R-PIA (IC50 = 18.3 nM) and exhibits competitive antagonism on CCPA-induced tracheal contractions ex vivo. Displays 217- fold selectively over hA2A receptor and >1000-fold selectivity over hA3 receptor.

Lu et al (2014) PQ-69, a novel and selective adenosine A1 receptor antagonist with inverse agonist activity. Purinergic Signal. 10 619 PMID:25248972

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA