
Product Data Sheet

Product Name: Win-62005

Cat. No.: GC32659

Chemical Properties

Cas. No. 152633-54-0

SMILES O=C1NC2=NC(C)=C(C3=CC=NC=C3)C=C2N1Formula $C_{12}H_{10}N_4O$ M.Wt 226.23

Solubility Soluble in DMSO 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**

Win-62005 is a cyclic AMP phosphodiesterase III (PDE III) inhibitor with K_{is} of 25 and 26 nM for rat heart and canine aorta, respectively.

Win-62005 competitively inhibits cyclic GMP-inhibitable low K_m cyclic AMP phosphodiesterase (PDE III) from rat heart and canine aorta with K_i values of 25 ± 3 and 26 ± 5 nM, respectively and is selective (at least 160-fold) for PDE III inhibition relative to other PDE isozymes[1].

After p.o. administration of 1 mg/kg Win-62005, $LVdP/dt_{max}$ is significantly increased in 30 min and remains increased for at least 6 h[1].

[1]. Dundore RL, et al. Species-dependent pharmacodynamic effects of the selective low K_m cyclic AMP phosphodiesterase III inhibitors WIN 58993 and WIN 62005. J Cardiovasc Pharmacol. 1995 Jan;25(1):14-21.

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
