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**Product Data Sheet**

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Product Name: Benzquinamide (P2647)

Cat. No.: GC30474

**Chemical Properties**

Cas. No. 63-12-7

SMILES O=C(C1CN2CCC3=CC(OC)=C(OC)C=C3C2CC1OC(C)=O)N(CC)CCFormula  $C_{22}H_{32}N_2O_5$  M.Wt 404.5

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**

Benzquinamide (P2647) is an antiemetic which can bind to the  $\alpha_2A$ ,  $\alpha_2B$ , and  $\alpha_2C$  adrenergic receptors ( $\alpha_2$ -AR) with  $K_i$  values of 1,365, 691, and 545 nM, respectively.

[1]. Elisabet Gregori-Puigjané, et al. Identifying mechanism-of-action targets for drugs and probes. Proc Natl Acad Sci U S A. 2012 Jul 10; 109(28): 11178-11183. doi: 10.1073/pnas.1204524109

**Caution: Product has not been fully validated for medical applications. For research use only.**

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