

Product Data Sheet

Product Name: PGP-4008

Cat. No.: GC44615

Chemical Properties

Cas. No. 365565-02-2

SMILES O=C(CC1=CC=CC=C1)NC2=C(CCN3CC4=CC=CC=C4)C3=NC5=C2C=CC=C5

Formula C₂₆H₂₃N₃O

M.Wt 393.5

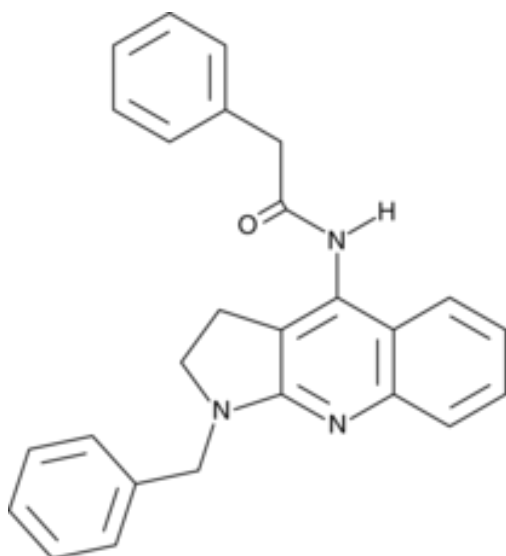
Solubility DMSO: 50mM, Ethanol: 5mM

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

PGP-4008 is a selective inhibitor of P-glycoprotein (P-gp) that does not affect the activity of multidrug resistance-related protein 1 (MRP1). It is effective in vitro and, when delivered intraperitoneally, in

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vivo, inhibiting tumor growth when given with doxorubicin . PGP-4008 also enhances the ability of docetaxel to inhibit growth and drive apoptosis in ovarian cancer cells.

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