
Product Data Sheet

Product Name: Reversan

Cat. No.: GC12523

Chemical Properties

Cas. No. 313397-13-6

Chemical Name N-(3-morpholinopropyl)-5,7-diphenylpyrazolo[1,5-a]pyrimidine-3-carboxamide

SMILES O=C(C1=C(N=C(C2=CC=CC=C2)C=C3C4=CC=CC=C4)N3N=C1)NCCCN5CCOCC5Formula $C_{26}H_{27}N_5O_2$ M.Wt 441.52

Solubility <11.04mg/ml in DMSO Storage Store at RT

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**

Reversan (CBLC4H10) is a potent and nontoxic multidrug resistance-associated protein 1 (MRP1) and P-glycoprotein (Pgp) inhibitor[1][2].

References:

[1]. Tivnan A, et al. Inhibition of multidrug resistance protein 1 (MRP1) improves chemotherapy drug response in primary and recurrent glioblastoma multiforme. *Front Neurosci.* 2015 Jun 16;9:218.

[2]. Burkhart CA, et al. Small-molecule multidrug resistance-associated protein 1 inhibitor reversan increases the therapeutic index of chemotherapy in mouse models of neuroblastoma. *Cancer Res.* 2009 Aug 15;69(16):6573-80.

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

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