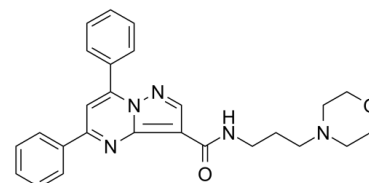


Data Sheet

Product Name:	Reversan
Cat. No.:	CS-0029046
CAS No.:	313397-13-6
Molecular Formula:	C ₂₆ H ₂₇ N ₅ O ₂
Molecular Weight:	441.52
Target:	P-glycoprotein
Pathway:	Membrane Transporter/Ion Channel
Solubility:	DMSO : 15.62 mg/mL (35.38 mM); ultrasonic and warming and heat to 60°C)



BIOLOGICAL ACTIVITY:

Reversan (CBLC4H10) is a potent and nontoxic **multidrug resistance-associated protein 1 (MRP1)** and **P-glycoprotein (Pgp)** inhibitor^{[1][2]}. IC₅₀ & Target: Multidrug resistance-associated protein 1, P-glycoprotein^[1]

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.

CAIndexNames:

Pyrazolo[1,5-a]pyrimidine-3-carboxamide, N-[3-(4-morpholinyl)propyl]-5,7-diphenyl-

SMILES:

O=C(C1=C2N(C(C3=CC=CC=C3)=CC(C4=CC=CC=C4)=N2)N=C1)NCCCN5CCOCC5

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

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