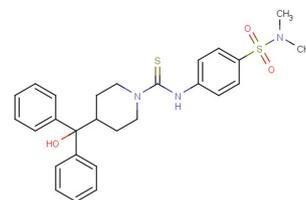


## Data Sheet (Cat.No.T10921)

CYM 9484

### Chemical Properties

CAS No.:	1383478-94-1
Formula:	C <sub>27</sub> H <sub>31</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	509.68
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	CYM 9484 is a selective and potent neuropeptide Y (NPY) Y2 receptor antagonist with IC <sub>50</sub> value of 19 nM.
Targets(IC <sub>50</sub> )	NPYY2 receptor: 19 nM
In vitro	SF-11 is a selective brain-permeable NPY Y2 receptor antagonist with IC <sub>50</sub> value of 190 nM. A systematic study of the SAR of the hit molecule SF-11 can identify a selective and highly effective small molecule NPY Y2 receptor antagonist CYM 9484. CYM 9484 is ten times more effective than the hit molecule SF-11. CYM 9484 is prepared by coupling α, α-diphenylpiperidino-4-methanol with various aryl isothiocyanates.

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.962 mL	9.81 mL	19.62 mL
5 mM	0.392 mL	1.962 mL	3.924 mL
10 mM	0.196 mL	0.981 mL	1.962 mL
50 mM	0.039 mL	0.196 mL	0.392 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Mittapalli GK, et al. Synthesis and SAR of selective small molecule neuropeptide Y Y2 receptor antagonists. *Bioorg Med Chem Lett*. 2012 Jun 15;22(12):3916-20.

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