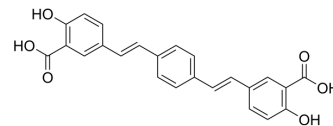


X-34

Cat. No.:	HY-125962		
CAS No.:	215294-98-7		
Molecular Formula:	C ₂₄ H ₁₈ O ₆		
Molecular Weight:	402.4		
Target:	Fluorescent Dye; Amyloid-β		
Pathway:	Others; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 40 mg/mL (99.40 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4851 mL	12.4254 mL	24.8509 mL
	5 mM	0.4970 mL	2.4851 mL	4.9702 mL
	10 mM	0.2485 mL	1.2425 mL	2.4851 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

X-34 is a lipophilic and bright yellow-green fluorescent derivative of Congo red (HY-D0236). X-34 can be used to stain neuritic and diffuse plaques, neurofibrillary tangles (NFTs), neuropil threads, and cerebrovascular amyloid in the brain. X-34 can be used for research of Alzheimer's disease^[1].

REFERENCES

[1]. Styren SD, et al. X-34, a fluorescent derivative of Congo red: a novel histochemical stain for Alzheimer's disease pathology. J Histochem Cytochem. 2000 Sep;48(9):1223-32.

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

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