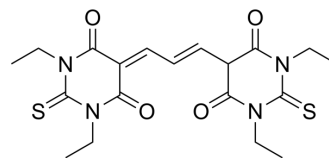


DiSBAC2(3)

Cat. No.:	HY-D1091
CAS No.:	47623-98-3
Molecular Formula:	C ₁₉ H ₂₄ N ₄ O ₄ S ₂
Molecular Weight:	436.55
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (286.34 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2907 mL	11.4534 mL	22.9069 mL
	5 mM	0.4581 mL	2.2907 mL	4.5814 mL
	10 mM	0.2291 mL	1.1453 mL	2.2907 mL

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

BIOLOGICAL ACTIVITY

Description

DiSBAC2(3) is an anionic membrane-potential-sensitive dye. DiSBAC2(3) is a plasma membrane potential indicator^{[1][2]}.

REFERENCES

[1]. Tatsuya Yoshimura, et al. Combined use of two membrane-potential-sensitive dyes for determination of the Galvani potential difference across a biomimetic oil/water interface. *Anal Bioanal Chem.* 2014 May;406(14):3407-14.

[2]. P Weisová, et al. Latrepirdine is a potent activator of AMP-activated protein kinase and reduces neuronal excitability. *Transl Psychiatry.* 2013 Oct 22;3(10):e317.

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

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