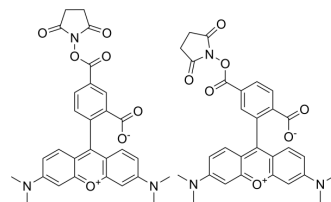


5(6)-TAMRA SE

Cat. No.:	HY-D0723
CAS No.:	246256-50-8
Molecular Formula:	C ₂₉ H ₂₅ N ₃ O ₇
Molecular Weight:	527.53
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (18.96 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8956 mL	9.4781 mL	18.9563 mL
5 mM	0.3791 mL	1.8956 mL	3.7913 mL
10 mM	0.1896 mL	0.9478 mL	1.8956 mL

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

BIOLOGICAL ACTIVITY

Description

5(6)-TAMRA SE is the amine-reactive, mixed isomer form of TAMRA, which is a dye for oligonucleotide labeling and automated DNA sequencing applications.

CUSTOMER VALIDATION

- Biomaterials. 2021, 120788.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Fuller ME, et al. Application of a vital fluorescent staining method for simultaneous, near-real-time concentration monitoring of two bacterial strains in an Atlantic coastal plain aquifer in Oyster, Virginia. *Appl Environ Microbiol.* 2004 Mar;70(3):1680-7.

[2]. Brunner A, et al. Labelling peptides with fluorescent probes for incorporation into degradable polymers. Eur J Pharm Biopharm. 1998 May;45(3):265-73.

[3]. Jiang M, et al. Design and synthesis of new acid cleavable linkers for DNA sequencing by synthesis. Nucleosides Nucleotides Nucleic Acids. 2014;33(12):774-85.

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

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