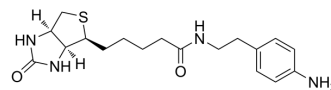


## Biotin-aniline

Cat. No.:	HY-139912
CAS No.:	769933-15-5
Molecular Formula:	C <sub>18</sub> H <sub>26</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	362.49
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (689.67 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7587 mL	13.7935 mL	27.5870 mL
	5 mM	0.5517 mL	2.7587 mL	5.5174 mL
	10 mM	0.2759 mL	1.3793 mL	2.7587 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Biotin-aniline is a probe with substantially high reactivity towards RNA and DNA. Biotin-aniline emerges as more efficient probe for capturing subcellular transcriptome in living cells with high spatial specificity<sup>[1]</sup>.

### REFERENCES

[1]. Zhou Y, et al. Expanding APEX2 Substrates for Proximity-Dependent Labeling of Nucleic Acids and Proteins in Living Cells. *Angew Chem Int Ed Engl.* 2019;58(34):11763-11767.

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

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