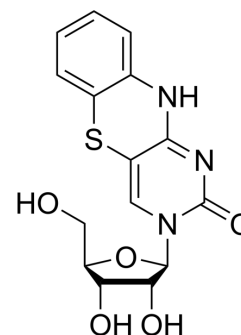


## Tricyclic cytosine tC

Cat. No.:	HY-161164
CAS No.:	1174063-74-1
Molecular Formula:	C <sub>15</sub> H <sub>15</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	349.36
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tricyclic cytosine tC is a fluorescent base analogue that can be used as a fluorescent probe in nucleic acid-containing systems. The excitation wavelength is 385 nm and the emission wavelength is 505 nm<sup>[1][2]</sup>.

### REFERENCES

[1]. Sandin P, Lincoln P, Brown T, Wilhelmsson LM. Synthesis and oligonucleotide incorporation of fluorescent cytosine analogue tC: a promising nucleic acid probe. *Nat Protoc.* 2007;2(3):615-23.

[2]. Manetto A, et al. tC, tCo and tCnitro: Tricyclic Cytosine Probes of DNA and RNA Structure. *The Glen Report.* 2010, 22(13).

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

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