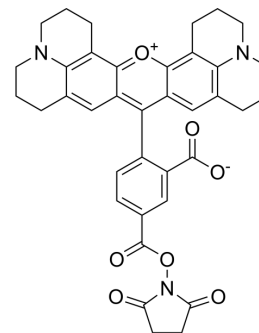


## 5-Carboxy-X-rhodamin N-succinimidyl ester

Cat. No.:	HY-D0045
CAS No.:	209734-74-7
Molecular Formula:	C <sub>37</sub> H <sub>33</sub> N <sub>3</sub> O <sub>7</sub>
Molecular Weight:	631.67
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

5-Carboxy-X-rhodamin N-succinimidyl ester (5-ROX, SE) is a labeling reagent. 5-Carboxy-X-rhodamin N-succinimidyl ester can be used in the preparation of charge-modified dye-labeled Dideoxynucleotide Triphosphates (ddNTP) to "direct-load" DNA sequencing<sup>[1]</sup>.

### REFERENCES

[1]. Finn PJ, Sun L, Nampalli S, Xiao H, Nelson JR, Mamone JA, Grossmann G, Flick PK, Fuller CW, Kumar S. Synthesis and application of charge-modified dye-labeled dideoxynucleoside-5'-triphosphates to 'direct-load' DNA sequencing. *Nucleic Acids Res.* 2002 Jul 1;30(13):2877-85.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA