

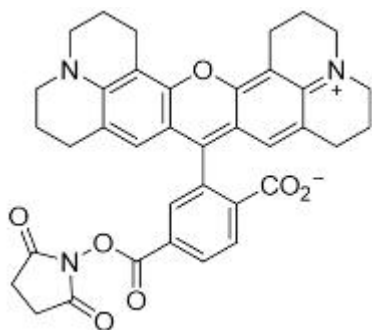
## 6-ROX Succinimidyl Ester

Article number: KF-YG0822

specification: 5mg/25mg/250mg

### Product information

Structural formula:



### Product Application

6-ROX is widely used in DNA sequencing and DNA probes based on fluorescence resonance energy transfer (FRET). Succinimidyl esters react easily with primary secondary amines under mild conditions. Stock solutions of the dye can be prepared in anhydrous DMF or DMSO. The coupling reaction is typically carried out in a buffer with a pH of about 8.5 (e. g., 0.1-0.2 M sodium bicarbonate buffer). Alternatively, the coupling reaction can



also be performed in an organic solvent for amino compounds that insoluble in aqueous solutions.

### Product Nature

Molecular formula: C<sub>37</sub>H<sub>33</sub>N<sub>3</sub>O<sub>7</sub>

Molecular weight: 631.68

Appearance: Dark purple

CAS No. : 216699-36-4

$\lambda_{Ex}/\lambda_{Em}$  (MeOH) = 576/601

$\epsilon$  = 88000

### Transportation and storage

Transport conditions: Cold

Storage conditions: -20° C, dry, protected from light.

