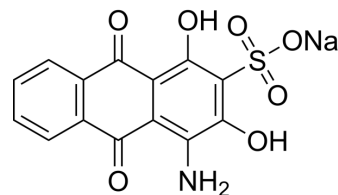


## Nuclear Fast Red

Cat. No.:	HY-D0943
CAS No.:	6409-77-4
Molecular Formula:	C <sub>14</sub> H <sub>8</sub> NNaO <sub>7</sub> S
Molecular Weight:	357.27
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Nuclear Fast Red, an anthraquinone dye, is commonly used in conjunction with an excess of aluminum ions as a red nuclear counterstain. Nuclear fast red has been used as a histochemical and colorimetric reagent for calcium<sup>[1]</sup>. Nuclear fast red as highly sensitive "off/on" fluorescent probe for detecting guanine<sup>[2]</sup>.

### REFERENCES

[1]. Yi Cui, et al. Nuclear fast red as highly sensitive "off/on" fluorescent probe for detecting guanine. *Talanta*. 2014 Dec;130:536-41.

[2]. M Frank, et al. Certification procedures for nuclear fast red (Kernechtrot), CI 60760. *Biotech Histochem*. 2007 Feb;82(1):35-9.

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

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