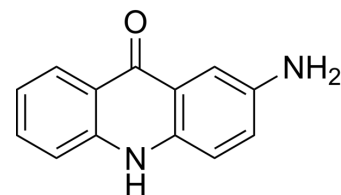


2-Aminoacridone

| | |
|---------------------------|--|
| Cat. No.: | HY-103594 |
| CAS No.: | 27918-14-5 |
| Molecular Formula: | C ₁₃ H ₁₀ N ₂ O |
| Molecular Weight: | 210.24 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | -20°C, protect from light |

* The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2.94 mg/mL (13.98 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 4.7565 mL | 23.7823 mL | 47.5647 mL |
| | 5 mM | 0.9513 mL | 4.7565 mL | 9.5129 mL |
| | 10 mM | 0.4756 mL | 2.3782 mL | 4.7565 mL |

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

BIOLOGICAL ACTIVITY

Description

2-Aminoacridone is a widely used fluorophore (λ_{exc} =428 nm, λ_{em} =525 nm).

In Vitro

By using 2-Aminoacridone (AMAC) as labeling molecule, sensitivity for detection of GAG-derived disaccharides is greatly enhanced, and resolution is also improved^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Robert A. M. Vreeburg, et al. Fingerprinting of hydroxyl radical-attacked polysaccharides by N-isopropyl-2-aminoacridone labelling, *Biochem J.* 2014 Oct 15; 463(Pt 2): 225–237.

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

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