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**Product Data Sheet**

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Product Name: 2-Aminoacridone

Cat. No.: GC30208

**Chemical Properties**

Cas. No. 27918-14-5

SMILES O=C1C2=C(C=CC=C2)NC3=CC=C(N)C=C13Formula C13H10N2O

M.Wt 210.24

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

Storage Store at -20°C, unstable in solution, ready to use.

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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

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

[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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