



## Product Information

### 2-Aminoacridone

**Cat. No.:** XGB1033

**Size:** 25 mg; 100 mg

**MDL:** MFCD00037397

**CAS Number:** 27918-14-5

**PubChem Substance ID:** 329748253

**REAXYS Number:** 172520

**NACRES:** NA.32

**Synonym:** 2-Amino-9(10H)-acridinone, 2-amino-10H-acridin-9-one, AMAC

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Molecular Weight</b>	210.23
<b>Empirical Formula</b>	C <sub>13</sub> H <sub>10</sub> N <sub>2</sub> O
<b>InChI</b>	1S/C <sub>13</sub> H <sub>10</sub> N <sub>2</sub> O/c14-8-5-6-12-10(7-8)13(16)9-3-1-2-4-11(9)15-12/h1-7H,14H2,(H,15,16)
<b>SMILES string</b>	<chem>Nc1ccc2Nc3ccccc3C(=O)c2c1</chem>
<b>Purity</b>	BioReagent, suitable for fluorescence, ≥98.0% (HPLC)
<b>Solubility</b>	DMF: soluble
<b>Quality Level</b>	100
<b>Applications</b>	2-Aminoacridone is a highly fluorescent aromatic, which contains a primary amine group that reacts with an aldehyde group at the reducing end of a carbohydrate and is reduced to a stable amine derivative by sodium borohydride (NaBH <sub>4</sub> ). Picomolar levels of glycan compounds can be detected using this fluorophore. The resulting derivatized compounds can be separated by reverse-phase HPLC and detected by positive-ion electrospray MS. An intense fluorescent, hydrophobic probe that is stable over a wide pH range is useful in the derivatization of glycans to allow for the analysis of complex oligosaccharides using micellar electrokinetic capillary chromatography and reverse- and normal-phase chromatography coupled with mass spectroscopy to determine relative concentrations and structural identity of individual oligosaccharides. The λ excitation and λ emission are 425 nm and 532 nm, respectively. Fluorescent label for glycans and saccharides.

#### Safety Information



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<b>Personal Protective Equipment</b>	dust mask type N95 (US), Eyeshields, Gloves
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<b>WGK Germany</b>	WGK 3
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<b>Hazard Statements</b>	H315 - H319 - H335
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