



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

Molecular Weight	210.23
Empirical Formula	C13H10N2O
InChI	1S/C13H10N2O/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)
SMILES string	Nc1ccc2Nc3cccc3C(=O)c2c1
Purity	BioReagent, suitable for fluorescence, ≥98.0% (HPLC)
Solubility	DMF: soluble
Quality Level	100
Applications	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 (NaBH4). 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



Personal Protective Equipment dust mask type N95 (US), Eyeshields, Gloves

WGK Germany WGK 3

Hazard Statements H315 - H319 - H335
