

Product Information

DDAO galactoside

Cat. No.: X24-11-LY354

Size: 1 mg; 2 mg; 5 mg; 10 mg

MDL: MFCD01311855

CAS Number: 503178-95-8

Compound CID: 11385855

Synonym: 503178-95-8; [9*H*-1,3-Dichloro-9,9-dimethylacridin-2-one-7-yl) b-D-galactopyranoside];

1,3-Dichloro-9,9-dimethyl-7-((2*S*,3*R*,4*S*,5*R*,6*R*

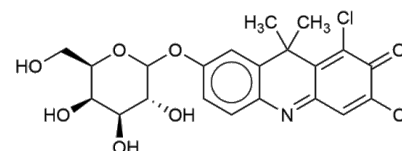
)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2*H*-pyran-2-yl)oxy)acridin-2(9*H*)-one;

7-(beta-D-Galactopyranosyloxy)-1,3-dichloro-9,9-dimethylacridine-2(9*H*)-one;

1,3-Dichloro-9,9-dimethyl-7-[(2*S*,3*R*,4*S*,5*R*,6*R*

)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyacridin-2-one

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



Product Information

Description	DDAO galactoside is a fluorogenic substrate with a radiation-activated protease activity.
Molecular Weight	470.3
Molecular Formula	C ₂₁ H ₂₁ Cl ₂ NO ₇
IUPAC Name	1,3-Dichloro-9,9-dimethyl-7-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyacridin-2-one
InChI	InChI=1S/C21H21Cl2NO7/c1-21(2)9-5-8(30-20-19(29)18(28)17(27)13(7-25)31-20)3-4-11(9)24-12-6-10(22)16(26)15(23)14(12)21/h3-6,13,17-20,25,27-29H,7H2,1-2H3/t13-,17+,18+,19-,20-/m1/s1
InChI Key	AKZZCHCOIFQTB-JALYJVOISA-N
SMILES string	CC1(C2=C(C=CC(=C2)O[C@H]3[C@@H]([C@H]([C@H]([C@H](O3)CO)O)O)O)N=C4C1=C(C(=O)C(=C4)Cl)Cl)C
Flash	358.20°C
Form	Powder
Purity	≥95%, determined by HPLC.
Boiling Point	668.60°C
Applications	DDAO galactoside can be used as a marker for cell proliferation and as an inhibitor of protein



synthesis.

Storage

Store at -20°C.
