

Product Information

PF6-AM, Purity \geq 98%

Cat. No.: X24-09-YM1279

Size: 5 mg; 10 mg; 25 mg; 50 mg

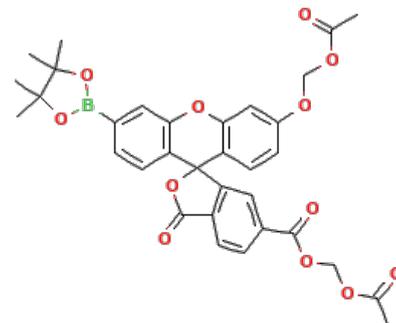
CAS Number: 1268491-69-5

Compound CID: 49766552

Synonym: 1268491-69-5; Peroxyfluor-6 AM; PF6AM; Acetyloxymethyl

3'-(acetyloxymethoxy)-1-oxo

-6'-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)spiro[2-benzofuran-3,9'-xanthene]-5-carboxylate



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

Product Information

Description	PF6-AM is a new selective fluorescent indicator for hydrogen peroxide. The molecular weight of the compound is 630.4, and its molecular formula is C ₃₃ H ₃₁ BO ₁₂ .
Molecular Weight	630.4
Molecular Formula	C ₃₃ H ₃₁ BO ₁₂
IUPAC Name	Acetyloxymethyl 3'-(acetyloxymethoxy)-1-oxo -6'-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)spiro[2-benzofuran-3,9'-xanthene]-5-carboxylate
InChI	InChI=1S/C33H31BO12/c1-18(35)39-16-41-22-9-12-25-28(15-22)43-27-14-21(34-45-31(3,4)32(5,6)46-34)8-11-24(27)33(25)26-13-20(7-10-23(26)30(38)44-33)29(37)42-17-40-19(2)36/h7-15H,16-17H2,1-6H3
InChI Key	DYRAQRKTJXRJKN-UHFFFAOYSA-N
Canonical SMILES	B1(OC(C(O1)(C)C)(C)C)C2=CC3=C(C=C2)C4(C5=C(O3)C=C(C=C5)OCOC(=O)C)C6=C(C=CC(=C6)C(=O)OCOC(=O)C)C(=O)O4
Form	Lyophilized powder
Purity	\geq 98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

PF6-AM plays a key role in promoting the activation of pro-apoptotic factors and inhibiting tumor cell growth.

Storage

Store at -20°C, and keep desiccated.
