

Certificate of Analysis							
Name:	ATFB, SE 4-Azido-2,3,5,6-tetrafluorobenzoic acid, succinimidyl ester						
Catalog Number:	6977			Lot:	50923		
CAS Number:	12669	5-58-7		Formula:	C <sub>11</sub> H <sub>8</sub> F <sub>4</sub> N <sub>4</sub> O <sub>4</sub>		
Molecular Weight:	332.17	' (g/mol)					
	Observed			Standard			
HPLC Purity:	97% a	t 254 nm		≥ 90% at 254 nm			
Absorption (Ethanol)							
Wavelength ( $\lambda_{max}$ ):	Wavelength (λ <sub>max</sub> ): 274 nm			274 ± 3 nm			
Extinction:	25,900 cm <sup>-1</sup> M <sup>-1</sup>			24,000 ± 2,500 cm <sup>-1</sup> M <sup>-1</sup>			
TLC Purity:	> 99%			≥ 90%			
TLC System:	2:1 Hexane / Ethyl acetate						
Storage:	Freeze: Store at -5 to -30°C ( <b>F</b> ), Protect from moisture ( <b>D</b> ), Protect from light ( <b>L</b> )					( <b>D</b> ), Protect	
Production Lot: 143	354	Release:	27-Sep-20	19 Ex	piration:	15-Jul-2019	
Structure: N-O-C F F F N=N=N N=N N=N=N This data reflects the accuracy of the analysis of the subject lot							

This data reflects the accuracy of the analysis of the subject lot For research use only. Not for human use. No animal source. This material is chemically synthesized and manufactured in the USA

Approved by:	Dianna M Wineinger	Date:	27-Sep-2019
	Analytical Services Manager		
Signature:	Dianna M Wineinger		