CERTIFICATE OF ANALYSIS
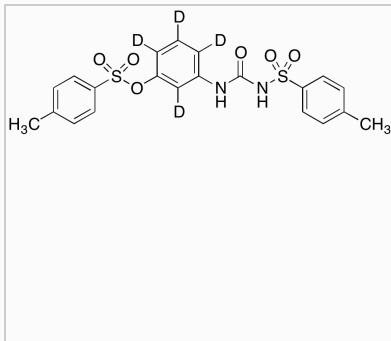
1. Identification

Catalogue Number:	P287182	**CAS Number:**	NA
		Synonym:	N-(4-Methylphenylsulfonyl)-N'-[3-(4-methylphenylsulfonyloxy)phenyl]urea-d4; N-(p-Toluenesulfonyl)-N'-(3-p-toluenesulfonyloxyphenyl)urea-d4; N-p-Tolylsulfonyl-N'-3-(p-tolylsulfonyloxy)phenylurea-d4; PF 201-d4; 4-Methyl-N-[[[3-[[(4-methylphenyl)sulfonyl]oxy]phenyl]amino]carbonyl]benzenesulfonamide-d4; 3-(3-Tosylureido)phenyl 4-Methylbenzenesulfonate-d4
Product:	Pergafast 201-d4		

Structure:

Molecular Formula:

$C_{21}H_{16}D_4N_2O_6S_2$

Molecular weight:

464.55

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number:	3-RTW-100-2	**Purity:**	97%
Shipping Condition:	This Product Is Stable To Be Shipped At Room Temperature	**Storage Condition:**	4°C

2. Warning

Warning 1:	Warning 2:	Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.8%
HPLC Purity	Report Result	99.54% (225 nm)

Additional Information: Normalized Intensity: d0 = 0.00%, d1 = 0.01%, d2 = 0.04%, d3 = 4.71%, d4 = 95.24%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
swathi reddy	Toni Rantanen	Chanell Chu	6/21/2023	6/19/2027
R. Leetij	*[signature]*	*Chanell Chu*		