Template Provided By:

Cancer Imaging Program

National Cancer Institute

Reagent/Supply Specification Sheet

(Refer to GEN-M001)

Reagent/Supply: **NITTP, (FMISO THP Protected Precursor)**
(1-H-imidazole-1-propanol, 2-nitro-beta-[(tetrahydro-2H-pyran-2-yl) oxy]-, 4-methylbenzenesulfonate (ester)),(1-(2'-Nitro-1'-imidazolyl-2-O-tetrahydropyranyl-3-O-tosyl-propanediol)

Storage Conditions: **-20 to 0°C**
(desiccated, protected from light)

Internal Tracking Code: SS-NIT

MSDS On File? Y N N/A
(circle one)

Suppliers:

Vendor	Address	Telephone Number	MSDS Available	Vendor Designation (If Needed)
ABX	**ABX GmbH** **Heinrich-Glaeser-Strasse 10-14** **D-01454 Radeberg Germany**	49-3528-4041-60 (Fax) 49-3528-4041-65	N/A	A

Ordering Information:

Vendor	Catalog Number	Description	Size/Units	Bulk Quantities	Certificate of Analysis Available
ABX	**140**	Packaged in dark glass, argon flushed	5 mg vials	1 g	Yes
NCI/DTP	**NITTP, FMISO precursor**	N/A	5 mg vials	N/A	Yes

Internal Specifications: For all non-USP reagents, the certificate of analysis will be compared with the listed internal specifications to ensure that the manufacturers are still testing the product consistently and utilizing the same standards to determine quality, purity, and identity of the reagents.

Parameter	Test Methodology	Specification
Appearance	organoleptic	Yellowish crystals
Identity	$^{1}H/^{13}C$ NMR	Consistent with Structure
Melting Point	capillary	105-122°C
Purity	^{1}H NMR	> 95%

Required Tests for Release:

Parameter	Test Methodology	Specification
Identity and Purity	HPLC with MS or UV (HPLC method of NCI-Q219 except 50% Methanol not 5% methanol mobile phase)	>95% of UV absorbance eluted past 4.0 minutes associated with the FMISO peak (MS or retention time can be used for identity)

Regulatory Affairs Approval: _____ **Date:** _____
Signature

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