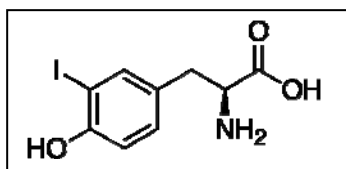
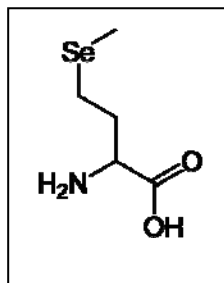


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L-Selenomethionine (Se-met) and 3-Iodo-L-tyrosine (MIT) are commonly used to label proteins during cell culture. Incorporation of selenomethionine and iodotyrosine into proteins in place of methionine and tyrosine, respectively aids the structural elucidation of proteins by X-ray crystallography. Selenomethionine-substituted proteins, for example, are commonly used for multi-wavelength anomalous diffraction phasing.

Specifications:

L-(+)-Selenomethionine		3-Iodo-L-Tyrosine	
Appearance:	White to off-white crystalline powder	Appearance:	White to off-white crystalline powder
IR:	Conform with standard	IR:	Conform with standard
Specific rotation: (20°C, 589 nm, c=1, 1 N HCl)	+17 to +19.5°	Solubility:	A 1% solution in water is clear and colourless at 40C.
MR (decomp.):	262-267°C	Water:	1% max. by KF.
Selenium content:	39-41 %	Lead:	20 ppm max.
Water:	< 0.5 %	Assay:	97% min. by titration
Assay (non-aq.titr.):	98.0-100.5%	Shelf-life:	3 years
Assay (HPLC)	>98%		
Arsenic	<1 ppm		
Cadmium	<1 ppm		
Mercury	<0.1 ppm		
Lead	<3 ppm		
Shelf Life:	3 years		

Order Code	Description	Price
3211-76-5	L-(+)-Selenomethionine > 98+% (2.5 g)	£175.00
70-78-0	3-Iodo-L-Tyrosine > 97+% (25 g)	£312.00

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