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Product Datasheet

Biotin-isoxazole, CAS [[1377605-22-5]] FBM-10-5400

Article Name	Biotin-isoxazole, CAS [[1377605-22-5]]
Biozol Catalog Number	FBM-10-5400
Supplier Catalog Number	10-5400
Alternative Catalog Number	FBM-10-5400-1MG,FBM-10-5400-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Precipitates RNA Binding Proteins...
Molecular Weight	520.66
Purity	98% by TLC nMR (Conforms)
Form	Beige solid
CAS Number	[1377605-22-5]
Formula	C24H32N4O5S2
Application Notes	Exposure of cell or tissue lysates to biotin-isoxazole precipitates hundreds of RNA-binding proteins with significant overlap to the constituents of RNA granules. ^{1,2} In one study roughly 580 nuclear proteins were identified as being precipitated by B-Isox including TAF15, RNA polymerase II (largest subunit), numerous subunits of the mediator complex as well as a variety of enzymes involved in epigenetic modification of histones. ³ SR domains were found to be the determinant that facilitates B-Isox precipitation. ⁴ Also allows for the fractionation / isolation of SG-associated proteins and RNA precipitates. ⁵