

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Biotin-isoxazole FBM-10-5400

Article Name	Biotin-isoxazole
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	C ₂₄ H ₃₂ N ₄ O ₅ S ₂
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