

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

## Product Datasheet

### Salubrinal, CAS [[405060-95-9]] FBM-10-4517

Article Name	Salubrinal, CAS [[405060-95-9]]
Biozol Catalog Number	FBM-10-4517
Supplier Catalog Number	10-4517
Alternative Catalog Number	FBM-10-4517-5MG,FBM-10-4517-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	eIF2alpha Phosphatase inhibitor...
Molecular Weight	479.81
Purity	98% by TLC [1% methanol in methylene chloride Rf = 0.35], NMR (Conforms)
Form	Beige solid
CAS Number	[405060-95-9]
Formula	C21 H17 Cl3 N4 O S
Application Notes	Endoplasmic reticulum (ER) stress inhibitor. Salubrinal is a selective inhibitor of cellular complexes that dephosphorylate eukaryotic initiation factor 2 subunit alpha (eIF2alpha). <sup>1</sup> It has been found to interact with the anti-apoptotic protein Bcl-2 offering protection from the apoptotic and autophagic effects that result from loss of Bcl-2 function. <sup>2</sup> Salubrinal blocked NFATc1 expression and osteoclast differentiation by RANKL via phosphorylation of eIF2alpha resulting in a decrease of global protein synthesis. It efficiently blocked osteoporosis in a mouse model treated with RANKL. <sup>3</sup>