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## Product Datasheet

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

Artikelname	Salubrinal, CAS [[405060-95-9]]
Artikelnummer	FBM-10-4517
Hersteller Artikelnummer	10-4517
Alternativnummer	FBM-10-4517-5MG,FBM-10-4517-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	eIF2alpha Phosphatase inhibitor...
Molekulargewicht	479.81
Reinheit	98% by TLC [1% methanol in methylene chloride Rf = 0.35], NMR (Conforms)
Formulierung	Beige solid
CAS Nummer	[405060-95-9]
Formel	C21 H17 Cl3 N4 O S
Anwendungsbeschreibung	<p>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></p>