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## Product Datasheet

### SCR7 pyrazine, CAS [[14892-97-8]] FBM-10-3652

Article Name	SCR7 pyrazine, CAS [[14892-97-8]]
Biozol Catalog Number	FBM-10-3652
Supplier Catalog Number	10-3652
Alternative Catalog Number	FBM-10-3652-5MG,FBM-10-3652-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	CRISPR enhancer...
Molecular Weight	332.38
Purity	>98% by TLC NMR (Conforms)
Form	Yellow solid
CAS Number	[14892-97-8]
Formula	C18H12N4OS
Application Notes	SCR7 pyrazine enhances the efficiency of precise genome editing with CRISPR/Cas9 up to 19-fold via inhibition of nonhomologous end joining (NHEJ). <sup>1,2</sup> May be employed in an optimized CRISPR/Cas9 method to target methylation in a site-specific manner enabling maintenance of gene silencing in vitro and in vivo. <sup>3</sup> SCR7 pyrazine exhibits greater activity against DNA ligases I and III than DNA ligase IV. <sup>4</sup> Induces cancer cell death via inhibition of NHEJ and potentiates the effect of double strand break-inducing therapeutic modalities. <sup>4,5</sup>