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Product Datasheet

AZD5904, CAS [[618913-30-7]]
FBM-10-4058

Article Name	AZD5904, CAS [[618913-30-7]]
Biozol Catalog Number	FBM-10-4058
Supplier Catalog Number	10-4058
Alternative Catalog Number	FBM-10-4058-5MG,FBM-10-4058-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Myeloperoxidase inhibitor...
Molecular Weight	252.29
Purity	>98% TLC, NMR (Conforms)
Form	Yellow solid
CAS Number	[618913-30-7]
Formula	C10H12N4O2S
Application Notes	A mechanism-based inactivator of myeloperoxidase (IC₅₀ = 200 nM), reacting with hydrogen peroxide in neutrophils to inactivate the enzyme.¹ This prevents production of hypochlorous acid and concomitant oxidative stress. Importantly, neutrophil bactericidal activity was slowed but not stopped. AZD5904 did not inactivate thyroid peroxidase or lactoperoxidase. AZD5904 prevented the onset and reversed established high-fat diet induced microvascular insulin resistance.² It also alleviated the relaxation defect in hypertrophic induced pluripotent cardiomyocytes via restoration of MYBPC3 phosphorylation, suggesting potential therapeutic value in treating hypertrophic cardiomyopathy.³