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Product Datasheet

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

Artikelname	AZD5904, CAS [[618913-30-7]]
Artikelnummer	FBM-10-4058
Hersteller Artikelnummer	10-4058
Alternativnummer	FBM-10-4058-5MG, FBM-10-4058-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Myeloperoxidase inhibitor...
Molekulargewicht	252.29
Reinheit	>98% TLC, NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[618913-30-7]
Formel	C10H12N4O2S

Anwendungsbeschreibung	A mechanism-based inactivator of myeloperoxidase ($IC_{50} = 200$ 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
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