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## Product Datasheet

**DBIC**  
**FBM-10-5161**

Artikelname	DBIC
Artikelnummer	FBM-10-5161
Hersteller Artikelnummer	10-5161
Alternativnummer	FBM-10-5161-5MG,FBM-10-5161-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	DNMT3B S-nitrosylation inhibitor...
Molekulargewicht	296.29
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	Grey solid
CAS Nummer	[487026-67-5]
Formel	C15H12N4O3
Anwendungsbeschreibung	<p>Specifically inhibits S-nitrosylation of DNA methyltransferase 3B (DNMT3B) at low concentrations, IC50 100 nM, without affecting its enzymatic activity. Treatment with DBIC prevents nitric oxide-induced conversion of human colonic adenoma to adenocarcinoma in vitro. Treatment with DBIC strongly attenuates tumor development in a mouse model of carcinogenesis triggered by inflammation-induced NO production. DNMT3B-mediated DNA methylation is regulated by S-nitrosylation and DBIC represents a new useful tool for studying this system.<sup>1</sup> A negative control compound, DBIC-neg2 (Cat 10-5162) is also available.</p>