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## Product Datasheet

### TH588 FBM-10-4602

Article Name	TH588
Biozol Catalog Number	FBM-10-4602
Supplier Catalog Number	10-4602
Alternative Catalog Number	FBM-10-4602-5MG,FBM-10-4602-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	MTH1/NUDT1 inhibitor...
Molecular Weight	331.63
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[1609960-31-7]
Formula	C13H12Cl2N4HCl
Application Notes	<p>TH588 is a first-in-class nudix hydrolase family inhibitor.<sup>1</sup> MTH1/NUDT1 is a family member that "sanitizes oxidized deoxynucleotide triphosphates (dNTP) preventing their incorporation into DNA and thus avoiding DNA damage and cell death. TH588 inhibits MTH1/NUDT1 (IC<sub>50</sub> = 5 nM) leading to cell death in several cancer cell lines while not affecting normal cells. Active in vitro and in vivo. Recent evidence has raised doubts about the cancer-killing ability of MTH1 inhibition.<sup>2,3</sup></p>