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## Product Datasheet

### Acalabrutinib, CAS [[1420477-60-6]] FBM-10-4806

Article Name	Acalabrutinib, CAS [[1420477-60-6]]
Biozol Catalog Number	FBM-10-4806
Supplier Catalog Number	10-4806
Alternative Catalog Number	FBM-10-4806-5MG, FBM-10-4806-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	BTK inhibitor...
Molecular Weight	465.52
Purity	98% by HPLC NMR (Conforms)
Form	Yellow solid
CAS Number	[1420477-60-6]
Formula	C <sub>26</sub> H <sub>23</sub> N <sub>7</sub> O <sub>2</sub>
Application Notes	Acalabrutinib (1420477-60-6) is a highly selective, potent (IC <sub>50</sub> = 3nM), and irreversible inhibitor of Brutons tyrosine kinase (BTK). <sup>1</sup> Improved target selectivity (especially against TEC family kinases and EGFR) decreased the number of serious side effects observed with Ibrutinib. <sup>2</sup> Acalabrutinib significantly inhibits BCR signaling, inhibits tumor proliferation, and reduces tumor burden. <sup>3</sup> Clinically useful agent for treating B-cell cancers. BTK has also been shown to have a role in modulating the innate immune system, especially in dendritic cells and macrophages, suggesting a possible role in immunotherapy. <sup>4</sup>