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## Product Datasheet

### UNC7467, CAS [[2922283-43-8]] FBM-10-4080

|                          |                                   |
|--------------------------|-----------------------------------|
| Artikelname              | UNC7467, CAS [[2922283-43-8]]     |
| Artikelnummer            | FBM-10-4080                       |
| Hersteller Artikelnummer | 10-4080                           |
| Alternativnummer         | FBM-10-4080-5MG, FBM-10-4080-25MG |
| Hersteller               | Focus Biomolecules                |
| Kategorie                | Biochemikalien                    |
| Produktbeschreibung      | IP6K inhibitor...                 |
| Molekulargewicht         | 315.33                            |
| Reinheit                 | >98% TLC, NMR (Conforms)          |
| Formulierung             | Yellow solid                      |
| CAS Nummer               | [2922283-43-8]                    |
| Formel                   | C20H13NO3                         |

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| Anwendungsbeschreibung | <p>Potent inhibitor of inositol hexakisphosphate kinase (IP6K) - the isoform IP3K1 regulates metabolism, promotes insulin secretion from <math>\beta</math> cells, attenuates certain aspects of insulin signaling, and reduces whole-body energy expenditure by inhibiting adipocyte thermogenesis, thus making it an attractive target for treatment of obesity and obesity-induced metabolic dysfunction. It is selective for IP6K1 and 2 over IP6K3 (IC<sub>50</sub>s = 8.9 nM, 4.9 nM, and 1320 nM respectively). EC<sub>50</sub> = 1.0 <math>\mu</math>M and 0.24 <math>\mu</math>M at 3hr and 18 hr respectively in intact HCT116 cells ([<sup>33</sup>P]-Pi efflux). Selective against a panel of 30 protein kinases and 5 CYP isoforms. UNC7467 improved glycemic profiles, ameliorated hepatic steatosis, and reduced weight gain without altering food intake in diet-induced obese mice.</p> |
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