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Product Datasheet

PLX5622, CAS [[1303420-67-8]] FBM-10-4726

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| Artikelname | PLX5622, CAS [[1303420-67-8]] |
| Artikelnummer | FBM-10-4726 |
| Hersteller Artikelnummer | 10-4726 |
| Alternativnummer | FBM-10-4726-5MG,FBM-10-4726-25MG |
| Hersteller | Focus Biomolecules |
| Kategorie | Biochemikalien |
| Produktbeschreibung | Highly selective CSF1R inhibitor... |
| Molekulargewicht | 395.41 |
| Reinheit | 98% by HPLC NMR (Conforms) |
| Formulierung | Pale yellow solid |
| CAS Nummer | [1303420-67-8] |
| Formel | C ₂₁ H ₁₉ F ₂ N ₅ O |

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| Anwendungsbeschreibung | <p>Highly selective (>20 fold over KIT and FLT3, >60 fold over 200 other kinases) and brain-penetrant inhibitor of colony-stimulating factor 1 receptor (CSF1R, IC50 = 16 nM).¹ It prevented plaque formation in 5xFAD1 and 3xTg2 mouse models of Alzheimers disease via elimination of microglia in a CSF1R-dependent manner. PLX5622 showed efficacy in a mouse neuropathic pain model via reduction of CD86+ macrophages resulting in reduced expression of pro-inflammatory cytokines.³ It also was able to ameliorate peripheral neuropathy in aging mice.⁴ PLX5622 displayed neuroprotective effects during the chronic phase of a traumatic brain injury mouse model.⁵ PLX5622 has also been shown to affect myeloid and lymphoid compartments, indicating that its affects are not limited to microglia and include peripheral immune cells.⁶</p> |
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