For Research Use Only Midostaurin



Catalog Number: CM00932

| 产品信息 | Catalog Number: CM00932 CAS号: 120685-11-2 分子式: C ₃₅ H ₃₀ N ₄ O ₄ 主要靶点: Others PKC 主要通路: 表观遗传 细胞骨架 其他 | 分子量: 570.64 溶解度: DMSO:8.6 mg/mL (15 mM) | H ₃ C IIII H ₃ C IIII |
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| 靶点活性 | PKC γ :24 nM PKC β 2:31 nM PKC α :22 nM PP | K:38 nM PKC β 1:30 nM | |
| 体外活性 | Midostaurin(pkc412) is a broad spectrum prosites of the conventional PKC- α , - β and - γ Midostaurin(pkc412) inhibits the growth of v concentrations. Midostaurin(pkc412) also eff accumulation of cells in G2/M and formation Midostaurin(pkc412) is able to reverse the p | betein kinase inhibitor. Midostaurin(pkc412) , PDGFR β , VEGF-R2, VEGF-R1 and the cycli rarious human and animal cell lines in vitr fectively inhibits the in vitro proliferation of giant nuclei with extensive fragmentar -glycoprotein-mediated multidrug resistar |) interacts strongly with ATP binding in-dependant kinase 1-cyclin B complex. o at similar submicromolar of glioblastoma and induced the tion and apoptotic bodies. nce of tumor cells in vitro.[1] |
| 体内活性 | Midostaurin(pkc412) may suppress tumor gr tyrosine kinases) in addition to directly inhi may contribute to the antimetastatic and bro with cytotoxic agents, including doxorubicir maximally tolerated dose for midostaurin(p | owth by inhibiting tumor angiogenesis (via biting tumor cell proliferation (via its effec bad antitumor activity displayed by midos 1, cyclophosphamide, cisplatin and gemcita kc412) is >300 mg/kg. [1] | a its effects on the VEGF receptor cts on PKCs). This anti-angiogenic action taurin(pkc412), as well as the synergy abine. When given orally, the |
| 细胞实验 | Each well is added with 5 mM WST-1 an a Microplate Reader.(Only for Reference | nd 0.2 mM 1-methoxy PMS and the abs ce) | sorbance at 450 nm is measured by |
| 描述 | PKC412(Midostaurin; CGP41231; CGP41251) alpha (PKCalpha), vascular endothelial grov (PDGFR) and FMS-like tyrosine kinase 3 (FLT proliferation, apoptosis, and inhibition of an | is a broad spectrum protein kinase inhibit vth factor receptor 2 (VEGFR2), c-kit, platele '3) tyrosine kinases, which may result in di giogenesis in susceptible tumors. | tor. Midostaurin inhibits protein kinase C et-derived growth factor receptor isruption of the cell cycle, inhibition of |
| 储存 | Powder: - 20°C for 3 years In solvent: - | -80°C for 2 years | |

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.