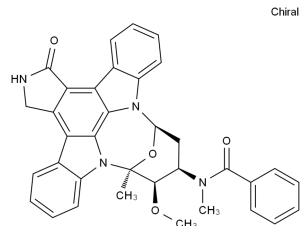


Product Name	: PKC412
Synonyms	: CGP-41231; CGP-41251; Midostaurin; PKC-412
Cat No.	: M10759
CAS Number	: 120685-11-2
Molecular Formula	: C ₃₅ H ₃₀ N ₄ O ₄
Formula Weight	: 570.64
Chemical Name	: Benzamide, N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl-
Description	: A potent, selective PKC inhibitor with IC ₅₀ of 50 nM; displays a high degree of selectivity over PKA (IC ₅₀ =2.4 μM), S6 kinase (IC ₅₀ =5.0 μM) and EGFR (IC ₅₀ =3.0 μM) compared with Staurosporine; inhibits human brain tumors cells (mean IC ₅₀ =0.4 μM), displays antitumor activity in vivo. Blood Cancer Phase 3 Clinical
Pathway	: Angiogenesis
Target	: PKC
Receptor	: PKCα; PKCβ1; PKCβ2; PKCγ; PPK
Solubility	: DMSO: ≥ 21 mg/mL
SMILES	: <chem>C[C@@]12[C@H](OC)[C@H](N(C(C3=CC=CC=C3)=O)C)C[C@H](N4C5=CC=CC=C5C6=C7C(CNC7=O)=C8C9=CC=CC=C9N2C8=C64)O1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Meyer T, et al. Int J Cancer. 1989 May 15;43(5):851-6. 2. Krause KH, et al. Eur J Pharmacol. 1992 Oct 1;227(2):221-4. 3. Anon U, et al. Pharmacology. 1993 Sep;47(3):200-8. 4. Begemann M, et al. Clin Cancer Res. 1996 Jun;2(6):1017-30.