



Product Information

PDE inhibitor, CI-1044, Purity $\geq 98\%$

Cat. No.: X24-09-YM042

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 197894-84-1

Compound CID: 9843744

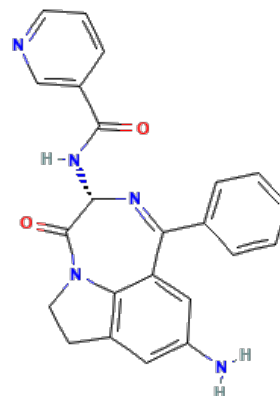
Synonym: 197894-84-1; CI 1044; CI1044; PD-189659; PD189659; PD 189659; *N*

-[(11*R*)-6-Amino-12-oxo

-9-phenyl-1,10-diazatricyclo[6.4.1.0^{4,13}]trideca-4(13),5,7,9-tetraen-11-yl]pyridine-3-ca

rboxamide; PDE inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	CI-1044 is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting PDE. The molecular weight of the compound is 397.43, and its molecular formula is C ₂₃ H ₁₉ N ₅ O ₂ . It targets the PDE4A5, PDE4B2, PDE4C2 and PDE4D3.
Molecular Weight	397.43
Molecular Formula	C ₂₃ H ₁₉ N ₅ O ₂
Targets	PDE4A5
IUPAC Name	<i>N</i> -[(11 <i>R</i>)-6-Amino-12-oxo -9-phenyl-1,10-diazatricyclo[6.4.1.0 ^{4,13}]trideca-4(13),5,7,9-tetraen-11-yl]pyridine-3-carboxamide
InChI	InChI=1S/C23H19N5O2/c24-17-11-15-8-10-28-20(15)18(12-17)19(14-5-2-1-3-6-14)26-21(23(28)30) 27-22(29)16-7-4-9-25-13-16/h1-7,9,11-13,21H,8,10,24H2,(H,27,29)/t21-/m0/s1
InChI Key	XGXOSJSGDNPEEF-NRFANRHFSA-N
Canonical SMILES	C1CN2C(=O)C(N=C(C3=CC(=CC1=C32)N)C4=CC=CC=C4)NC(=O)C5=CN=CC=C5
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	CI-1044 plays a key role in increasing cyclic AMP levels, CI-1044 helps reduce inflammation and



immune responses, improving respiratory function and reducing symptoms of chronic inflammation.

Storage

Store at -20°C, and keep desiccated.
