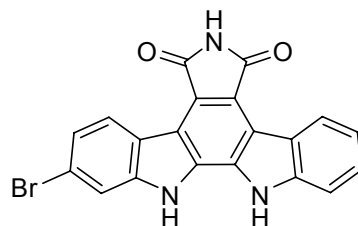


2-Bromo-12,13-dihydro-5H-indolo[2,3-a]pyrrolo[3,4-c]carbazole-5,7(6H)-dione - Cyclin D1-CDK4 Inhibitor



Chemical Formula: C₂₀H₁₀BrN₃O₂
Molecular Weight: 404.22

Ref.: Zhu et al. **Synthesis, Structure-Activity Relationship, and Biological Studies of Indolocarbazoles as Potent Cyclin D1-CDK4 Inhibitors.** *Journal of Medicinal Chemistry* (2003), 46, 2027-2030
6-Substituted indolocarbazoles were found to be potent and selective D1/CDK4 inhibitors and exhibited potent and ATP-competitive D1/CDK4 activities (IC₅₀ values of 76 and 42 nM). Two compounds had high selectivity against the other kinases. These D1/CDK4 inhibitors inhibited tumor cell growth, arrested tumor cells at the G1 phase, and inhibited pRb phosphorylation.

OTAVA catalog no.	CAS RN	Amount	Delivery time	Purity
7070707035	546102-60-7	500 mg (minimum package size)	6-8 weeks	≥ 95% by HPLC, ¹³ C NMR & ¹ H NMR