

RG108

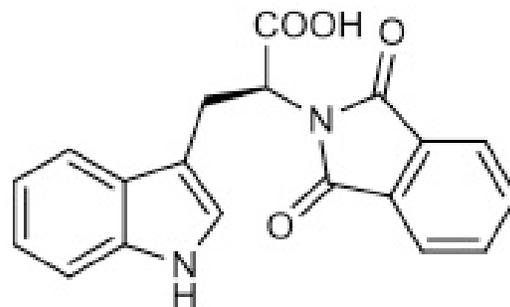
Catalog No: 14104, 14105**Format:** 25 mg, 5 mg**Chemical Properties:**

MW = 334.3

C₁₉H₁₄N₂O₄

CAS 48208-26-0

Physical Properties: Tan powder, MP = 104°C

Names: RG-108, N-Phthalyl-L-tryptophan; or (S)-2-(1,3-dioxisoindolin-2-yl)-3-(1H-indol-3-yl)propanoic acid**Pharmacology:** A non-nucleoside DNA methyltransferase inhibitor (IC₅₀ = 115 nM)(ref 1). Inhibits DNA methylation in human and tumor cell lines without toxicity (ref 2). Enhances the reversion of neural progenitor cells to the pluripotent state (ref 3).**Solubilization:** May be dissolved in DMSO (100 mg/ml); Ethanol (100 mg/ml)**Fluorescent Properties:** N/A**Quality Control:**

>98% (TLC); NMR (Conforms)

References:

1. B Brueckner *et al. Cancer Res.* 2005, 65:6305
2. C Stresemann *et al. Cancer Res.* 2006, 66:2794
3. I Szablowska-Gadomska *et al. Acta. Neurobiol. Exp.* 2012, 72:337

Storage and Guarantee: Store desiccated as supplied at room temperature for up to 2 years. Store solutions at -20°C for up to 1 month. This product is guaranteed for 6 months from date of arrival.