

FOCUS

BIOMOLECULES

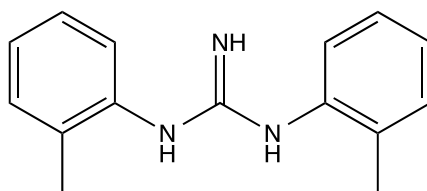
Catalog # 10-4204

DTG

CAS# 97-39-2

1,3-Di-*o*-tolylguanidine

Lot # FBS1056



DTG is an agonist of the sigma (σ) receptor¹ with roughly equal potency against both subtypes (σ 1 and σ 2 IC₅₀'s ~ 30nM)².

- 1) Weber *et al.* (1986), *1,3-Di(2-[5-3H]tolyl)guanidine: a selective ligand that labels sigma-type receptors for psychotomimetic opiates and antipsychotic drugs*; Proc.Natl.Acad.Sci.USA, **83** 8784
- 2) Scherz *et al.* (1990), *Synthesis and Structure-Activity Relationships of N,N'-Di-o-tolylguanidine Analogues, High-Affinity Ligands for the Haloperidol-Sensitive σ Receptor*, J.Med.Chem., **33** 2421

PHYSICAL DATA

Molecular Weight:	239.32
Molecular Formula:	C ₁₅ H ₁₇ N ₃
Purity:	>99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>10 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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