1,1'-dimethyl-4,4'-bipyridinium

IDENTIFICATION NUMBERS

- **CAS:** 4685-14-7
- **EC/EINECS:** 225-141-7

MORE INFORMATION

- **Molecular Formula:** C12H14N2
- **Synonyms:** PARAQUAT, 1,1-DIMETIL-4,4-BIPIRIDINIO, PARACUAT

USES

pesticide

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

No classifications available

Specific health risks

Endocrine disruptors

Substances with endocrine disrupting activity

DISRUPTOR LEVEL

UE2

Occupational Exposure Limits (OEL)

Daily exposure limit values (VLA-ED) published by the Spanish National Institute of Safety and Health at Work (INSST). They represent the average concentration of a chemical agent in the worker's breathing zone, measured or calculated in a time-weighted manner for an 8-hour daily working period. (https://www.insst.es/valores-limites-de-exposicion)

OCCUPATIONAL EXPOSURE LIMITS

State / Form	TWA (ppm)	TWA (mg/m³)	STEL (ppm)	STEL (mg/m³)	Notes
Fracción inhalable	—	0.5	—	—	d
Fracción respirable	—	0.1	—	—	d

Restriction/prohibition regulations

Authorized Pesticide

Active substances approved for use in plant protection products (agricultural pesticides) in the European Union under Regulation (EC) No 1107/2009. Includes herbicides, fungicides, insecticides, acaricides and other crop protection agents with current European-level approval.

SOURCE

Real Decreto 2163/1994