

F - P L U S B 8 0 0

A Pioneer in Fluorochemistry

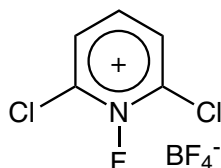


TOSOH F-TECH, INC.

1. F-PLUS B800

Name N-FLUORO-2,6-DICHLOROPYRIDINIUM TETRAFLUOROBORATE

Structure



Formula	C ₅ H ₃ Cl ₂ FN BF ₄	ELINCS	97-01-413-00
Mol. Wt.	253.79	TSCA	REGISTERED
CAS Reg. No.	140623-89-8		

2. Characteristics

- 1) **F-PLUS** compounds are series of electrophilic fluorinating agents consisting of a pyridinium ring and its counter anions. Utilizing these agents, a fluorine atom can be easily introduced into various compounds.
- 2) **F-PLUS B800** offers the highest fluorinating capacity in the F-PLUS series. It is used extensively for steroid fluorination.
- 3) **F-PLUS B** series agents possess a higher fluorine content than competitive products and are therefore more cost effective.

3. Properties

Appearance	White or pale yellow powder	Melting Point	> 190°C
Active Fluorine	3.94 mM/g	Solubility(CH ₃ CN)	0.16 g/ml at 25°C

4. Handling and Storing

- 1) In the event that contact is made with eyes or skin, wash immediately with large amounts of water. If the eyes are affected, seek immediate medical attention after washing.
- 2) Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environments.
- 3) In the case of fire, wear appropriate protective clothing and use self-contained breathing apparatus.
- 4) **WARNING:** Contact with combustible material may cause fire. Store in cool, dry, well ventilated area.

5. Toxicity

Oral (rat):	LD50 515mg/kg	Skin (rat):	LD50 > 2,000mg/kg
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